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ANNOUNCEMENT

OF THE

DENTAL SCHOOL

188 LONGWOOD AVENUE, BOSTON, MASS.

OF

HARVARD UNIVERSITY

WITH AN ANNOUNCEMENT

FOR 1938-39



CAMBRIDGE

PUBLISHED BY THE UNIVERSITY

1937

JULY

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DECEMBER

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DENTAL SCHOOL CALENDAR

1937.

- Sept. 24, Friday.* Registration of third and fourth year students.
Sept. 27, Monday. **Academic Year begins.** Registration of first and second year Students. Payment of the first instalment of the tuition-fee is required on this date.
- Oct. 12, Tuesday.* Columbus Day : a holiday.
Nov. 11, Thursday. Armistice Day : a holiday.
Nov. 25, Thursday. Thanksgiving Day : a holiday.
Nov. 30, Tuesday. Payment of the second instalment of the tuition-fee is required on or before this date.

RECESS FROM DEC. 23, 1937, TO JAN. 2, 1938, INCLUSIVE.

1938.

- Jan. 29, Saturday.* Payment of the third instalment of the tuition-fee is required on or before this date.
Jan. 31, Monday. **Second half-year begins.**
Feb. 22, Tuesday. Washington's Birthday : a holiday.

RECESS FROM APRIL 3 TO APRIL 10, INCLUSIVE.

- Apr. 19, Tuesday.* Patriot's Day : a holiday.
Apr. 30, Saturday. Payment of the fourth instalment of the tuition-fee is required on or before this date.
May 2, Monday. Last day for receiving applications of candidates for the degree of D.M.D. in June; 1938.
May 30, Monday. Memorial Day : a holiday.
June 22, Wednesday. Alumni Day.
June 23, Thursday. **Commencement.**

SUMMER VACATION, FROM COMMENCEMENT TO
SEPTEMBER 25, INCLUSIVE.

THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

This Board is commonly known as the CORPORATION.

PRESIDENT

JAMES BRYANT CONANT, A.B., PH.D., LL.D., S.D., L.H.D., D.C.L.

FELLOWS

ROGER IRVING LEE, A.B., M.D.

GRENVILLE CLARK, A.B., LL.B.

CHARLES ALLERTON COOLIDGE, JR., A.B., LL.B.

HENRY JAMES, A.B., LL.B., LL.D.

TREASURER

HENRY LEE SHATTUCK, A.B., LL.B.

SECRETARY TO THE CORPORATION

JEROME DAVIS GREENE, A.M.

THE BOARD OF OVERSEERS

The PRESIDENT and the TREASURER of the University, *ex officio*, and the following persons by election :—

1938*

MINOT SIMONS, A.M., D.D.
ALBERT ARNOLD SPRAGUE, A.B.
GEORGE WHITNEY, A.B.
FRANCIS PARKMAN, Ph.D.

1939

MARK ANTONY DeWOLFE HOWE, A.M., Litt.D.
NATHAN HAYWARD, A.B., S.B.
SAMUEL HUNTINGTON WOLCOTT, A.B.
GASPAR GRISWOLD BACON, A.B., LL.B.
WALTER LIPPMANN, A.B., LL.D., Litt.D.

1940

CHARLES WARREN, A.M., LL.D.
JAMES MADISON MORTON, JR., A.M., LL.B.
ALBERT FRANCIS BIGELOW, A.B., LL.B.
CHARLES ELLIOTT PERKINS, A.B.
SAMUEL CABOT, A.B.

1941

GEORGE THOMAS MOORE, Ph.D.
WILLIAM RICHARDS CASTLE, A.B., LL.D., D.C.L.
LEVERETT SALTONSTALL, A.B., LL.B., LL.D.
HENRY STURGIS MORGAN, A.B.
BLISS PERRY, A.M., L.H.D., Litt.D., LL.D.

1942

AUGUSTUS NOBLE HAND, A.M., LL.B., LL.D.
ELLERY SEDGWICK, A.B., Litt.D.
ROBERT HAYDOCK HALLOWELL, A.B.
CHANNING FROTHINGHAM, A.B., M.D.
GEORGE HAROLD EDGELL, A.B., Ph.D.

* The term expires, in each case, on Commencement Day of the year indicated.

1943

ULIAN WILLIAM MACK, LL.B.

HARLES FRANCIS ADAMS, A.B., LL.B., LL.D., PRESIDENT

AMES DEWOLF PERRY, A.B., S.T.D.

JOHN STEWART BRYAN, A.M., LL.B., LITT.D., LL.D.

GEORGE PEABODY GARDNER, JR., A.B.

SECRETARY OF THE BOARD OF OVERSEERS

VINTHROP HOWLAND WADE, A.M., LL.B.

THE DENTAL SCHOOL

BOSTON

ADMINISTRATIVE OFFICERS

President: JAMES B. CONANT, A.B., PH.D., LL.D., S.D., L.H.D., D.C.L.
Office, 5 University Hall, Cambridge.

Dean of the Faculty of Medicine: C. SIDNEY BURWELL, M.D., LL.D.
Office, Administration Building, Medical School. Office hours by appointment.

Dean of the Dental School: LEROY MATTHEW SIMPSON MINER, D.M.D., M.D., SC.D.
Office, Harvard Dental School. Office hours, daily except Saturday by appointment.

Secretary to the Dean and Chief Clerk of the School: CELIA L. TOWNE
Office, Harvard Dental School.

Assistant to the Dean: RICHARD L. HAPGOOD, A.B.
Office, Harvard Dental School.

Curator of the Dental Museum: KURT H. THOMA, D.M.D.
The Museum is in the Dental School Building.
Office of the Curator, 47 Bay State Road, Boston.

Librarian: STERLING N. LOVELAND, D.M.D.
The Library is in the Dental School Building. Office of the Librarian, 196 Marlborough St., Boston.

Physician to Students: FRED W. MORSE, JR., B.S., M.D.
Office hours daily from 9.45 to 10.30, Harvard Dental School.

STANDING COMMITTEES FOR THE DENTAL SCHOOL

Visiting Committee of the Dental School, appointed by the Board of Overseers. — Channing Frothingham (*Chairman*), Albert A. Sprague, Arthur A. Ballantine, James M. Barker, George C. Cutler, W. Cameron Forbes, Edward Hamlin, Alanson B. Houghton, Archer M. Huntington, Keith McLeod, Junius S. Morgan, Frank M. Rhodes.

Building. — Amos I. Hadley (*Chairman*), Eugene B. Wyman, Wilson C. Dort, Harold A. Kent, William H. Gilpatric.

Curriculum. — Kurt H. Thoma (*Chairman*), Frank H. Cushman, Harold A. Kent, Arthur M. Maloney, Fred W. Morse, Jr., Harry C. Trimble, Richard L. Hapgood (*Executive Secretary*).

Staff Council. — Paul E. Boyle (*Chairman*), Fred R. Blumenthal (*Vice Chairman*), Paul K. Losch (*Secretary*), Arthur P. Young, Richard B. Smith.

Library. — Arthur P. Young (*Chairman*), George H. Wright, Moses S. Strock, Frederick A. Trevor Sterling N. Loveland.

Museum. — Kurt H. Thoma (*Chairman*), Earnest A. Hooton, Harold L. Weatherford, Arthur A. Libby, Charles H. Tozier, Herbert I. Margolis, Paul E. Boyle.

Extension Teaching. — Kurt H. Thoma (*Chairman*), Fred R. Blumenthal, Harold E. Tingley, Raeburn R. Davenport, Frederick A. Trevor.

Scholarships. — Dean Miner (*Chairman*), Amos I. Hadley, Arthur M. Maloney, Lawrence W. Baker.

Admission. — Dean Miner (*Chairman*), Harry C. Trimble, Frank H. Cushman, Harold L. Weatherford, Carl T. Nelson.

Publicity. — Fred G. Rollins (*Chairman*), Edwin N. Kent, Fred R. Blumenthal, Frederick A. Trevor, Everett A. Tisdale, Raeburn R. Davenport.

Social Activities. — Amos I. Hadley (*Chairman*), David F. Spinney, Richard B. Smith, Harold A. Kent, Harold E. Tingley, Fred W. Morse, Jr. Charles W. Crowley.

Endowment. — Lawrence W. Baker (*Chairman*), F. Chester Durant, Sterling N. Loveland, Norman B. Nesbett.

Microscopes. — Kurt H. Thoma (*Chairman*), Fred W. Morse, Harold E. Tingley.

University Committee on Research in Dental Medicine. — Leroy M. S. Miner (*Chairman*), C. Sidney Burwell, Elmer P. Kohler, Lawrence W. Baker, Walter B. Cannon, S. Burt Wolbach, Earnest A. Hooton, George B. Wislocki, Percy R. Howe, Alden B. Dawson, A. Baird Hastings, Paul E. Boyle.

ADMINISTRATIVE BOARD

JAMES B. CONANT, A.B., Ph.D., LL.D., S.D., L.H.D., *President* (*ex officio*).

C. SIDNEY BURWELL, M.D., LL.D., *Dean of the Faculty of Medicine.*

LEROY M. S. MINER, D.M.D., M.D., Sc.D., *Dean of the Dental School and Professor of Clinical Oral Surgery.*

AMOS I. HADLEY, D.M.D., *Clinical Professor of Operative Dentistry.*

GEORGE H. WRIGHT, D.M.D., *Clinical Professor of Oral Medicine.*

FRED A. BECKFORD, D.M.D., *Professor of Prosthetic Dentistry.*

LAWRENCE W. BAKER, D.M.D., *Professor of Orthodontia.*

MARTIN B. DILL, A.B., D.M.D., *Clinical Professor of Operative Dentistry.*

FRANK H. CUSHMAN, S.B., D.M.D., *Professor of Operative Dentistry.*

VARAZTAD H. KAZANJIAN, D.M.D., M.D., *Professor of Clinical Oral Surgery.*

KURT H. THOMA, D.M.D., *Charles A. Brackett Professor of Oral Pathology.*

HAROLD A. KENT, D.M.D., *Assistant Professor of Oral Surgery.*

PROFESSORS, LECTURERS, INSTRUCTORS, ETC.

EDWIN C. BLAISDELL, D.M.D., *Clinical Professor of Operative Dentistry, Emeritus.*

PERCY R. HOWE, A.B., D.D.S., *Thomas Alexander Forsyth Professor of Dental Science.*

AMOS I. HADLEY, D.M.D., *Clinical Professor of Operative Dentistry.*

FRANK A. DELABARRE, D.D.S., M.D., *Associate in Orthodontia.*

ALFRED P. ROGERS, D.D.S., *Associate in Orthodontia.*

CLARENCE B. VAUGHAN, D.M.D., *Assistant Professor of Clinical Dentistry.*

LAWRENCE W. BAKER, D.M.D., *Professor of Orthodontia.*

HORACE L. HOWE, D.M.D., *Clinical Professor of Orthodontia.*

OLIVER P. WOLFE, D.M.D., *Instructor in Extracting and Anesthesia.*

NORMAN B. NESBETT, D.M.D., *Assistant Professor of Prosthetic Dentistry.*

DAVID F. SPINNEY, D.M.D., *Instructor in Operative Dentistry.*

EDWIN N. KENT, D.M.D., *Lecturer on Conduct of Practice.*

WILSON C. DORT, D.M.D., *Associate Professor of Dental Anatomy.*

CHARLES G. PIKE, D.M.D., *Instructor in Operative Dentistry.*

CHARLES H. TOZIER, S.B., M.D., *Research Fellow in Dental Science.*

WILLIAM J. SPEERS, D.M.D., *Instructor in Orthodontia.*

MARTIN B. DILL, A.B., D.M.D., *Clinical Professor of Operative Dentistry.*

LOUIS M. FREEDMAN, M.D., *Associate in Orthodontia.*

LEROY M. S. MINER, D.M.D., M.D., Sc.D., *Professor of Clinical Oral Surgery.*

EUGENE B. WYMAN, D.M.D., *Instructor in Operative Dentistry.*

EARLE C. CUMMINGS, D.M.D., *Assistant Professor of Roentgenology.*

- ARAZTAD H. KAZANJIAN, D.M.D., M.D., *Professor of Clinical Oral Surgery.*
- ARNEST A. HOOTON, PH.D., B.LITT., *Professor of Anthropology.*
- RED. A. BECKFORD, D.M.D., *Professor of Prosthetic Dentistry.*
- ARNEST V. L. WHITCHURCH, D.M.D., *Instructor in Operative Dentistry.*
- JOHN A. BREEN, D.M.D., *Instructor in Oral Surgery.*
- ALSEY B. LODER, M.D., *Lecturer on Surgical Pathology and Surgery.*
- ROGER B. TAFT, D.M.D., *Instructor in Operative Dentistry.*
- FREDERICK R. McGRAIL, D.D.S., *Instructor in Roentgenology.*
- HARLES F. SPRAGUE, D.M.D., *Assistant in Operative Dentistry.*
- CURT H. THOMA, D.M.D., *Charles A. Brackett Professor of Oral Pathology and Curator of the Museum.*
- HESTER F. WOLFE, D.M.D., *Instructor in Extracting and Anaesthesia.*
- DAVID D. BLOOM, D.M.D., *Instructor in Oral Surgery.*
- ALPH E. GOVE, D.M.D., *Instructor in Orthodontia.*
- TERLING N. LOVELAND, D.M.D., *Instructor in Operative Dentistry and Librarian.*
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- JOSEPH W. NEVINS, D.M.D., *Instructor in Operative Dentistry.*
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- PAUL K. LOSCH, D.D.S., *Instructor in Operative Dentistry.*

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- MARK D. ELLIOTT, D.D.S., *Assistant in Oral Medicine.*
- PAUL H. NEWHALL, A.B., D.M.D., *Instructor in Orthodontia.*
- DAVID WEISBERGER, S.B., D.M.D., M.D., *Instructor in Oral Medicine.*
- GEORGE D. BISSELL, D.M.D., *Instructor in Oral Surgery.*
- JOHN R. RICHARDSON, M.D., *Associate in Orthodontia.*
- PHILIP H. WHITE, A.B., D.M.D., *Instructor in Roentgenology.*
- JOSEPH A. CONWAY, D.M.D., *Instructor in Roentgenology.*
- HERMANN B. F. SEYFARTH, D.M.D., *Instructor in Operative Dentistry.*
- JAMES W. ETHERINGTON, D.M.D., *Instructor in Operative Dentistry.*
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- HARRY STONE, D.M.D., *Instructor in Extracting and Anaesthesia.*
- GEORGE A. SULLIVAN, A.B., D.M.D., *Instructor in Roentgenology.*
- PHILIP J. PINEL, D.M.D., *Instructor in Operative Dentistry.*
- FRANK S. CARBONE, D.M.D., *Assistant in Extracting and Anaesthesia.*
- RUSSELL H. CARPENTER, D.M.D., *Assistant in Operative Dentistry.*
- CLAUDE W. THOMPSON, D.M.D., *Assistant in Operative Dentistry.*
- STANLEY B. VIRKLER, A.B., D.M.D., *Assistant in Extracting and Anaesthesia.*
- HENRY M. GOLDMAN, D.M.D., *Research Fellow in Oral Pathology.*
- GEORGE J. DONAHUE Ph.B., D.M.D., *Assistant in Roentgenology.*
- ELLIS BURNETT JUMP, A.B., D.M.D., *Research Fellow in Dentistry.*
- CARL T. LEANDER, S.B., D.M.D., *Assistant in Prosthetic Dentistry.*
- CHARLES C. PARKER, D.M.D., *Assistant in Extracting and Anaesthesia.*
- JOHN A. TARULE, D.M.D., *Assistant in Prosthetic Dentistry.*
- WILLIAM L. WILSON, D.M.D., *Assistant in Orthodontia.*
- A. BRUCE DOWNES, D.M.D., *Assistant in Prosthetic Dentistry.*
- ROSS VROOM, D.M.D., *Assistant in Roentgenology.*

THE DENTAL SCHOOL

GENERAL STATEMENT

The Harvard Dental School is located on Longwood Avenue, in Boston, adjacent to the buildings of the Harvard Medical School, and is connected with them by subway.

The Dental School was established by vote of the President and Fellows of Harvard College, July 17, 1867. The first session opened on the first Wednesday in November, 1868, and continued until the following March. The first examination of candidates for the degree of the School was held March 6, 1869.

It is the object of the Faculty to present a comprehensive course of instruction in the theory and practice of Dentistry. The course extends over four years, with a preliminary college requirement of two years, as outlined under REQUIREMENTS FOR ADMISSION.

The courses of the first year deal with the basic sciences, physiology, physiological chemistry and metallurgy, anatomy, histology, and a short course in dental anatomy. These subjects, with pathology and bacteriology of the second year and oral pathology of the third year, are given in the Harvard Medical School.

During the second, third and fourth years instruction is given by lectures, recitations, clinical teaching, practical exercises, and clinical conferences. A well appointed laboratory and infirmary are provided, and students are assured the opportunity of operating at the chair and becoming trained by actual practice in all the operations demanded of the dentist.

The degree of Doctor of Dental Medicine is given, on recommendation by the Faculty of Medicine, on the completion of the four years' course. The degree is given in three grades.

The School is registered with the Department of Education of the State of New York, and its graduates are eligible for the licensing examination in that state, as well as in all other states in the Union.

REQUIREMENTS FOR ADMISSION

Applicants for admission must present evidence, not only that they have passed the courses necessary to fulfill the requirements, *but also that their college record has been of such character as to give promise of work of high quality in the dental course.*

The minimum requirement for admission to the School consists of two years of instruction in an approved college of liberal arts and science, based upon the completion of a four year high school course (or, in the case of foreign students, an equivalent character of work).

A total college credit of at least sixty semester hours is required, including the following obligatory courses: *English*, *Physics* and *Biology*; six semester hours each. *Chemistry*, twelve semester hours, including a course of not less than four semester hours in Organic Chemistry.

The remaining subjects necessary to make up the required number of credits are elective although courses in Comparative Anatomy and in Psychology are recommended.

Applicants must be entitled to honorable dismissal.

These requirements must be satisfied in full before matriculation.

NOTE.—A semester hour is one hour of lecture or recitation, or two hours of laboratory work, per week, for one half-year, or sixteen weeks.

ADMISSION TO ADVANCED STANDING

Students who have attended an approved dental school for one or more years, may be admitted to advanced standing and become candidates for the degree of D.M.D. under the following conditions:—

They must have fulfilled the requirements for admission.

They must have passed all of the subjects required of them in the school from which they come with a satisfactory rank, and must be entitled to a certificate of honorable dismissal.

They must present a record of the courses which they have already pursued, giving the subjects, the amount of time devoted to each, and the final grade received. The Committee on Admission will decide in each case whether examinations will be required.

Students are requested to apply for admission on blanks provided for the purpose, before July 1. All applications received on or after September 1 must be accompanied by the deposit of twenty-five dollars which will be returned if the application is not accepted. (See Fees and Expenses, page 19.)

VACCINATION

As every new student before being allowed registration in any department of the University must have presented a medical certificate of successful vaccination, such certificate should be included in his application for admission.

EXAMINATIONS AND PROMOTION

Examinations. — During the first, second and third years the final examination in every required subject is held at the close either of the first or of the second term of the school year. The examination, therefore, in every subject occurs once a year, but an opportunity to make up failures in examinations is offered at the opening of the school year. The examination in certain studies of the first year is held at *mid-year* only, and is for those who are members of the School at the time, and for those entitled to apply for the degree, provided they have failed previously in those subjects. The *June examination* is only for those who are members of the School at the time. The *September examination* is for conditioned students, or for applicants for advanced standing. In some branches a portion of the examination consists of practical work in the laboratory.

At the close of the fourth year a general comprehensive examination is held. This examination is aimed to test the student's ability to assemble, correlate, and utilize his knowledge, rather than his ability to remember factual material. The examination comprises a written paper on topics of importance in dental practice and an oral examination on the diagnosis and treatment of a presented case.

Promotion. — At the close of the first half-year, if occasion arises, and always at the close of the school year in June, the work of the first class is considered by the Promotion Board of the Medical School, and recommendations are made to the Dean's Office, in accordance with the Faculty Rules of the Harvard Medical School.

The work of the second and third years is considered by the Promotion Boards of the Dental School, and recommendations are made in accordance with the following rules :

1. A student whose progress is unsatisfactory in both Operative and Prosthetic Dentistry may be asked to withdraw from the school.
2. A student who fails in either Operative or Prosthetic Dentistry is disqualified for promotion and must repeat both courses of that year.
3. A student who fails in other subjects may, at the discretion of the Promotion Board, be advanced on condition.
4. A student who receives a low passing average may, at the discretion of the Promotion Board, fail to be promoted.
5. No student shall be promoted who has failed to remove a condition from the previous class.
6. As a requirement for promotion, the mouth of a student must be in a condition satisfactory to the Chairman of the Operative Department.

In all cases the recommendations of the Promotion Boards are referred to the Administrative Board of the Dental School for their approval.

The Administrative Board reserves the right to require the withdrawal of any student at any time whenever, in the opinion of the Board, it is manifest that he is incompetent for his work or for any other reason is unfitted to continue the course.

DEAN'S LIST

Third and fourth year students whose work has been of sufficiently high grade may, upon recommendation of the Promotion Boards, be placed on the Dean's List. Membership on this list carries with it eligibility, at the discretion of the department heads, to devote a portion of time from the clinical departments for independent work in some particular field of interest, under proper supervision.

The name of any student may be withdrawn from the List at any time, if he fails to maintain a standard of scholarship satisfactory to the Promotion Boards.

REQUIREMENTS FOR THE DEGREE

The degree of DOCTOR OF DENTAL MEDICINE (*Dentariae Medicinae Doctoris*) may be conferred upon any candidate of adult age, and of good moral character, who has passed *all the required examinations*. He must also give evidence of having studied Medicine or Dentistry in some recognized school four full years, the last continuous year of which must have been spent at this School.

The degree of Doctor of Dental Medicine *cum laude* or *magna cum laude* will be given to any candidate who has pursued a complete four years' course in this School and who has shown such a degree of excellence in scholarship and general clinical proficiency as, in the opinion of the Administrative Board, to merit the distinction.

The right to take the examinations, as well as the privilege of continuing membership in the School, is conditioned upon regular attendance upon lectures, infirmary practice, and laboratory exercises.

By vote of the Administrative Board, all students must have their mouths and teeth in a sound, healthy condition, in order to be eligible for the degree.

Candidates for the degree are obliged to apply for the same in writing, on blanks furnished at the Dean's office, on or before *May 1* of the year in which they propose to graduate.

FEES AND EXPENSES

A deposit of twenty-five dollars is required of every new student whose application for a place in the Dental School is accepted. This sum is to be applied on the first term-bill or to be forfeited if the student does not register. Students who make application prior to September 1st must make this deposit within two weeks after their applications are accepted; students who make application on or after September 1st are required to send the deposit of twenty-five dollars with their applications.

The tuition-fee is four hundred dollars, which includes all laboratory fees and will be charged on the term-bills in four instalments, as follows: One-fourth on a term-bill issued at registration and payable on or before September 29 unless the student registers late, in which case the bill is payable on or before the second business day following registration; one-fourth on a term-bill issued November 12 and payable November 30; one-fourth on a term-bill issued January 12 and payable January 29, and one-fourth on a term-bill issued April 12 and payable April 30. In addition students will be charged for any loss of material or breakage.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness and a reinstatement fee of ten dollars.

Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred.

All students doing less than full work and paying at the course rate will be required to pay each quarter in advance a sum equal to the fee for one course until their tuition-fee is paid in full.

All indebtedness to the University must be paid by all candidates for degrees at least one day before Commencement.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his College address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the University is severed, all charges against him must be paid at once.

The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places, at various prices, can be obtained at the Dean's office.

Every student must file with the Bursar on his entrance to the School a bond in the sum of *five hundred dollars* as security for the payment of College bills. The bond must be signed by two bondsmen, both of whom must be citizens of the United States, or by a surety company duly quali-

fied to do business in Massachusetts. No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted as a bondsman. In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States government coupon bonds, or five hundred dollars in cash which will bear no interest. Blank forms of bonds may be obtained from the Dean's office. Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School. *No degree can be conferred until all dues to the School are discharged.*

A student who leaves during the year is charged to the end of the tuition period in which he leaves, provided before that time he gives the Dean notice in writing of his withdrawal; otherwise he is charged to the end of the academic year or to the end of the tuition period in which such notice is given. The first tuition period begins at the beginning of the academic year and ends November 24; the second begins November 25 and ends at the end of the first half-year; the third begins with the second half-year and ends with the spring recess; and the fourth begins at the close of the spring recess and ends at Commencement.

MEDICAL AND INFIRMARY FEE

Every male student in the Cambridge departments of the University and in the Medical School and the School of Public Health will be charged an annual Medical and Infirmary Fee of \$20.00, payable in two equal installments on the September and January term-bills. Exception to this requirement may be made in the case of any part-time graduate student working at the rate of substantially half time or less and living at home. Such student may, if he wishes to forego the privileges to which the payment of the Fee would entitle him, be excused by the Bursar from the payment of such fee at any time within two weeks after his registration upon the recommendation of the Dean of the department in which he is registered. No refund will be made to a student who leaves during a half-year and no reduction will be made in case of late registration. The Medical and Infirmary Fee of students doing full work in the Graduate School of Business Administration is included in the tuition-fee. Any officer of Instruction or Government in the University and any male student in the Dental School may, not later than October 15, for the first half-year, or February 15, for the second half-year, pay the Medical and Infirmary Fee to the Bursar. Part-time students, excused from payment of the Fee, may have the privileges offered by Stillman Infirmary at the rate of \$3.00 per day for ward care.

Information as to the privileges offered in return for the Medical and Infirmary Fee is given in the University catalog in the section entitled, "The Department of Hygiene."

STUDENT HEALTH SERVICE

Realizing the importance to the student of a sound, healthy body, the School maintains a service whose function it is to prevent disease, so far as possible, and promote a high standard of health among the students.

The school physician holds office hours daily and provides for a physical examination of all entering students. In case of illness of a student at his room the physician will help arrange for the care of the patient, or for his transfer to the Stillman Infirmary, or, if necessary, to one of the hospitals allied with the Harvard Medical School. The student is responsible for any charges which his care may entail.

Each student is required to have his mouth put in a satisfactory condition, acceptable to the Department of Operative Dentistry. The mouth is examined and diagnosed, and recommendations for treatment made. The work may be done by the student's own dentist or by the special service for that purpose conducted by the School. No charge is made for the diagnosis except for necessary X-rays.

To afford facilities for physical recreation, arrangements provide for the use of a gymnasium, with excellent handball and squash courts, and a large floor for team games. Attendance at these recreation periods twice a week is required of all first year men, unless excused by a physician. The total expense for lockers and towel service is \$4.00 for the year.

INSTRUMENTS

With the exception of extracting instruments, lathes, and vulcanizers, each student will be required to furnish his own instruments, and appliances for both laboratory and operating room. To assure uniformity of quality and design, the required instruments are specified on lists issued by the Instrument Committee. The Committee purchases all required instruments and distributes them at cost, thus affording the students the best discount obtainable from quantity buying.

The approximate cost of instruments to students in each of the four years is as follows: first year, seven dollars; second year, three hundred and twenty-five dollars (including the dental engine); third year, one hundred and seventy-five dollars; fourth year, twenty-eight dollars.

Instruments for the first-year men, and prosthetic instruments for the second-year men, are distributed in January; all others at the beginning of the academic year. The charges to the students for instruments, and for the replacement at the beginning of the year of instruments broken or lost from old outfits, are made on the term bills, and are distributed through the year.

A deposit of two dollars with the Dean of the Medical School will entitle a student to the use of a locker in the Medical School buildings during the first year.

A student who wishes to rent a microscope of the School can do so upon payment of six dollars a half-year.

FOUR-YEAR COURSE

FIRST YEAR

Physiological Chemistry and Metallurgy	
Physiology — Lectures and Laboratory	
Histology — Lectures and Laboratory	
Anatomy — Lectures and Laboratory	
Dental Anatomy and Comparative Dental Anatomy — Lectures and Laboratory	
General Hygiene — Lectures, Conferences, and Gymnasium periods	

SECOND YEAR

General Pathology — Lectures and Laboratory	
Bacteriology — Lectures and Laboratory	
Operative Dentistry — Lectures, Demonstrations, Seminar, and Clinics (includes operative technique, odontexesis, and the use of plastic filling materials)	
Oral Medicine — Lectures	
Prosthetic Dentistry — Lectures, Demonstrations, and Technique	
Materia Medica — Lectures	
Radiography — Lectures	

THIRD YEAR

Operative Dentistry — Lectures, Demonstrations, and Clinics (includes inlays and ceramics, gold foil, periodontia, and treatment of pulp involvements)	
Therapeutics — Lectures	
Prosthetic Dentistry — Lectures, Demonstrations, and Practice (includes crown and bridge technique)	
Orthodontia — Lectures and Technique	
Surgery and Surgical Pathology — Lectures	
Oral Pathology — Lectures and Laboratory	
Extracting and Anaesthesia Conferences	
Physical Diagnosis — Lectures	
Oral Medicine — Lectures	
Syphilology — Lectures and Conferences	
Radiography — Lectures, Demonstrations, and Clinics (in sections)	

FOURTH YEAR

Operative Dentistry — Lectures, Demonstrations, and Clinics (includes oral diagnosis and dentistry for children)	
Orthodontia — Lectures and Clinics	

Prosthetic Dentistry, including crown and bridge—Lectures, Demonstrations, and Clinics	
Principles of Surgery—Oral Surgery—Lectures and Clinics	
Clinical Oral Surgery—Lectures and Clinics	
Conduct of Practice: Dental Jurisprudence: Ethics—Lectures	
Extracting and Anaesthesia—Demonstrations, Lectures, and Clinics	
Roentgenology—Clinics	
Public Health Dentistry—Lectures	

METHODS OF INSTRUCTION

BIOLOGICAL CHEMISTRY

A. BAIRD HASTINGS, Ph.D., *Hamilton Kuhn Professor of Biological Chemistry.*

CYRUS H. FISKE, M.D., *Professor of Biological Chemistry.*

HARRY C. TRIMBLE, Ph.D., *Assistant Professor of Biological Chemistry.*

MILAN A. LOGAN, Ph.D., *Assistant Professor of Biological Chemistry.*

YELLAPRAGADA SUBBA ROW, M.B., Ph.D., *Instructor in Biological Chemistry.*

OTTO A. BESSEY, Ph.D., *Research Associate in Biological Chemistry and Research Fellow in Pathology.*

CHARLES S. FRENCH, Ph.D., *Austin Teaching Fellow in Biological Chemistry.*

OLIVER H. LOWRY, M.D., *Teaching Fellow in Biological Chemistry.*

DALE G. FRIEND, M.D., *Research Fellow in Biological Chemistry and in Medicine.*

MANFRED KIESE, M.D., *Research Fellow in Biological Chemistry.*

FRIEDRICH W. KLEMPERER, *Research Fellow in Biological Chemistry.*

ALBERTO MARSAL, M.D., *Research Fellow in Biological Chemistry and Fellow of the National Research Council.*

JOHN F. TAYLOR, Ph.D., *Research Fellow in Biological Chemistry and Fellow of the Guggenheim Foundation.*

The Department of Biological Chemistry occupies three floors of Building C-II in the Morgan Laboratories of the Harvard Medical School.

This building contains the departmental library, the lecture amphitheater, and a large, well-lighted student laboratory, in which the entire membership of the class can work simultaneously. In addition there are a number of smaller laboratories for special purposes. These laboratories are available to students in the Dental School and in the Medical School.

The course in Chemistry required of all students in the Dental School is described below.

First Year. The course in chemistry required for the degree in dental medicine is offered during the first semester only. The subject matter covered will include a variety of topics selected from the following specialized fields of chemistry :

Inorganic Chemistry, emphasizing the chemical properties of the metals and the chemistry of some rarer elements useful in dentistry which are not ordinarily discussed in an elementary course.

Dental Metallurgy, including the preparation of some representative alloys and some methods for studying their properties. The principles of metallography will be discussed and exemplified as fully as practicable in the laboratory experiments.

Analytical Chemistry, sufficient to emphasize the fundamental principles involved in the separation, identification and quantitative measurement of the constituents of compounds. In the laboratory there will be opportunity to make studies of the composition of some substances useful in dentistry. The methods of analysis which will be studied will be chiefly those which can be used as tools in the portion of the course devoted to Physiological Chemistry.

Organic Chemistry, covering only those types of carbon compounds which participate in physiological processes, together with their transformation products, and those which have usefulness in dental medicine.

Physiological Chemistry, including the chemical aspects of the digestion, absorption, distribution, utilization, and excretion of the chief types of food. Emphasis will be placed upon the metabolism of minerals and their rôle in the functioning of the organism. This will culminate in a series of experimental exercises designed to demonstrate the effect of some variations in the diet upon some important constituents — both organic and inorganic — of some body fluids.

Throughout the course the contributions of chemistry in all its aspects toward obtaining an understanding of the conditions for dental health will be stressed.

Text and Reference Books. — Conant, Organic Chemistry. Folin, Laboratory Manual of Biological Chemistry. Bodansky, Physiological Chemistry. Mathews, Principles of Biochemistry. Sherman, Chemistry of Food and Nutrition. Hammett, Solutions of Electrolytes. Gibson, Chemistry of Dental Materials. Ray, Metallurgy for Dental Students.

FIRST YEAR	HOURS
Lectures. Dr. Trimble and members of the departmental staff. Six mornings per week during the first half-year.	98
Laboratory. Dr. Trimble, Dr. Danielson and assistants. Fifteen hours per week during the first semester.	240

ADVANCED WORK

Advanced work in biological chemistry may be undertaken by properly qualified students.

ANATOMY

JOHN L. BREMER, M.D., *Hersey Professor of Anatomy.*

FREDERIC T. LEWIS, M.D., *James Stillman Professor of Comparative Anatomy.*

GEORGE B. WISLOCKI, M.D., *Parkman Professor of Anatomy.*

ROBERT M. GREEN, M.D., *Associate Professor of Applied Anatomy and Instructor in Gynaecology and in Obstetrics.*

ALLAN L. GRAFFLIN, M.D., *Assistant Professor of Anatomy.*

DAVID M. RIOCH, M.D., *Assistant Professor of Anatomy.*

HAROLD L. WEATHERFORD, Ph.D., *Assistant Professor of Anatomy.*

FORR W. HARMER, M.D., *Instructor in Anatomy and Assistant in Surgery.*

BENJAMIN KROPP, Ph.D., *Instructor in Anatomy and Research Fellow in Obstetrics.*

The department occupies the Morgan Anatomical Building, the dissecting rooms being in the wing designated B I, and the laboratories for histology, embryology, and anatomy of the nervous system, in the wing B II. The class work is carried on by sections in unit rooms, designed to accommodate either sixteen or twenty-four students. Besides the numerous classrooms, which are well lighted and thoroughly equipped, there are ample accommodations for advanced students, and unusual facilities are at the disposal of qualified investigators. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about fifteen thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The Embryological Collection is a unique feature of the laboratory. It comprises about twenty-three hundred series of sections of carefully selected vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos, several of which are of exceptional value, among them being two of the very youngest stages of man yet obtained. The collection of embryological models contains the standard series and many unique original models.

The regular courses for dental students are described below.

Anatomy I. Gross Anatomy.—A systematic dissection of the human body occupies one-half of the student's time during the second half-year,

alternating with the course in Microscopic Anatomy. For the study of the bones and joints, a box of bones and a skull are issued for the period of the course to each student. Frequent oral quizzes are given in the laboratory as the dissection progresses. Demonstrations and a study of frozen sections are a special feature of the course.

Text-books. — Cunningham, Text-book of Anatomy or Gray's Anatomy.

Lectures and demonstrations

HOURS

48

Dissections

172

Assistant Professor WEATHERFORD and Dr. KROPP.

Anatomy 2. Microscopic Anatomy. — The first month is spent in a study of the cell, cell-division, and vertebrate embryology. Special attention is given to the development of the face, the tongue, and to the structures surrounding the oral cavity. The months of March, April, and May are devoted to the histology of the fundamental tissues and the organs, including the teeth and associated structures. Throughout the course several quizzes of a practical nature, in the identification of tissues and organs, are given.

Text-books. — Bremer, Text-book of Histology. Churchill, Histology and Histogenesis of the Human Teeth.

Lectures and demonstrations

HOURS

48

Laboratory work

172

Assistant Professor WEATHERFORD and Dr. KROPP.

DENTAL ANATOMY

EARNEST A. HOOTON, Ph.D., B.Litt., *Professor of Anthropology.*

WILSON C. DORT, D.M.D., *Associate Professor of Dental Anatomy and Chairman of the Department.*

HERBERT I. MARGOLIS, D.M.D., *Instructor in Dental Anatomy.*

Anatomy 3. Dental Anatomy, Human and Comparative. First Year. — A course on the evolution of the human head; a study of the morphological aspects of the teeth; consideration of tooth development, investing membranes, supporting structures, and temporo-mandibular articulation from a comparative standpoint; carving of teeth in plaster and ivory; study of pulp chambers and root canals, together with the comparative and theoretical study of the fundamentals of occlusion.

HOURS

Lectures. Drs. HOOTON, DORT, and MARGOLIS. *During January and February.*

23

Demonstrations, laboratory exercises and quizzes. Drs. DORT and MARGOLIS. *Nine times during January; six times a week during February; once a week from March 1 to April vacation.*

130

Text-books. — Diamond, Dental Anatomy (2nd edition). Dewey, Dental Anatomy.

Collateral Reading. — Stillson, Quiz Compend on Dental Anatomy. Tomes, Dental Anatomy. Black, Dental Anatomy. Churchill, Human Odontography and Histology. Dewey and Thompson, Comparative Dental Anatomy. Todd, Mammalian Dentition. Hooton, Up from the Ape. Gregory, Our Face from Fish to Man.

PHYSIOLOGY

WALTER B. CANNON, M.D., S.D., LL.D., Dr. (hon.), *George Higginson Professor of Physiology.*

ALEXANDER FORBES, M.D., *Professor of Physiology.*

HALLOWELL DAVIS, M.D., *Associate Professor of Physiology.*

ARTURO ROSENBLUETH, M.D., *Assistant Professor of Physiology and Tutor in the Normal Medical Sciences.*

ROY G. HOSKINS, M.D., *Research Associate in Physiology.*

ROBERT S. MORISON, M.D., *Instructor in Physiology.*

GORDON C. RING, Ph.D., *Instructor in Physiology.*

BERNARD R. HODES, A.B., *Austin Teaching Fellow in Physiology.*

JOSEPH E. HAWKINS, JR., B.A., *Teaching Fellow in Physiology.*

HARRY B. FRIEDGOOD, M.D., *Research Fellow in Physiology and Instructor in Medicine.*

HENRY L. HEYL, M.D., *Research Fellow in Physiology and in Surgery.*

MILTON O. LEE, Ph.D., *Research Fellow in Physiology.*

COLOMAN LISSAK, M.D., *Research Fellow in Physiology.*

JOAQUIN V. LUCO, M.D., *Research Fellow in Physiology.*

JULIEN P. F. MAES, M.D., *Research Fellow in Physiology.*

BENIGNA R. MORISON, *Research Fellow in Physiology.*

FIORINDO A. SIMEONE, M.D., *Research Fellow in Physiology.*

SOLOMON E. STEIMAN, Ph.D., *Research Fellow in Physiology and Fellow of the National Research Council.*

First Year. — The instruction in Physiology is based, as far as possible, on observations made by the students in laboratory experiments. The experiments are selected to impress the student with the methods and the most important facts in the various divisions of the subject. Physiological processes not readily observed in the laboratory the student learns with an insight derived from practical experience in experimentation. The arrangement of the experiments is in general such that the student first learns of what activity an organ or tissue is capable, next how certain factors condition or modify that activity, and finally what may be the effect of the activity. The experiments have also been so arranged as to place those

with more general bearing first, and those with special interest later. Thus reference to previously acquired information becomes more and more possible as the course proceeds.

The amount of time devoted to laboratory exercises is approximately one hundred and twenty-five hours. Each student is required to preserve a record of his experiments and observations. These records are examined and criticized.

Observations of his own experiments by the student are supplemented by numerous special demonstrations. These exercises, some of which are performed by students under the direction of an assistant, are closely correlated with the other objective instruction. The function of the depressor nerve and motor localization in the cerebral cortex, are examples of subjects which are demonstrated.

The facts observed in the laboratory and in the demonstrations are discussed in lectures. The lectures, about forty-five in number, are informal discussions permitting questions by the students or by the instructor. In these discussions the laboratory experiments are correlated with one another and with the body of physiological knowledge.

In order that students shall review the work repeatedly as the course proceeds, and also that the instructors may judge the efficiency of the teaching, the class is divided into sections and quizzed orally every week by the instructing staff. At the end of each general division of the subject, as, for example, the nervous system, or the circulation, a written test is given. The examination books are returned, corrected, to the students.

If in the quizzes and tests many students show that certain points are not clearly understood, these points are briefly discussed again before the class. If a student reveals by his answers general failure to grasp the subject intelligently, he is personally conferred with regarding the character of his work. Such conferences are held after the first six weeks of the course, and usually result in a better understanding between the instructor and the student, and frequently in a marked improvement in the student's efforts.

Text-books.—No special text-book is required, but the following books are recommended for reading in connection with the course: Starling, Human Physiology. Macleod, Physiology in Modern Medicine. Winton and Bayliss, Human Physiology.

October, November, December, and January.

HOURS

Laboratory experiments. Dr. RING and Mr. HAWKINS.

Tuesdays and Thursdays.

125

Quizzes (15). *Saturdays.*

45

Written tests (2).	4
Lectures (45). Drs. CANNON, DAVIS, MORISON, RING, ROSENBLUTH and Mr. HAWKINS.	45
Special demonstrations. Drs. DAVIS, RING and Mr. HAWKINS.	15

INVESTIGATION

Any student, properly qualified, who desires to engage in physiological research will be welcomed into the laboratory and will be offered every facility for research which the laboratory affords.

PHARMACOLOGY

LESLIE M. OHMART, S.B., Ph.G., Ph.C., *Instructor in Pharmacology.*

The course deals with the substances used in the treatment of disease, their origins, physical and chemical properties, pharmacologic action, therapeutic uses, incompatibilities, preparations, and toxicology. While the discussion is not restricted to the drugs used in dentistry, those which receive extended consideration are of particular interest to the dentist.

The study of prescription writing is begun early in the course in order that, during the remainder of the year, the student may have opportunity for practice in the writing of prescriptions.

A brief exposition of the general principles of therapeutics is followed by a detailed discussion of the use of drugs in pathological conditions. The lectures are correlated, as closely as is possible, with the clinical work of the student.

Text-books. — Blayney, Dental Pharmacology and Therapeutics. McGehee, Dental Pharmacology, Materia Dentica, and Pharmacotherapeutics. Bastedo, Materia Medica, Pharmacology, and Therapeutics.

Collateral Reading. — Solis-Cohen and Githens, Pharmacotherapeutics. United States Pharmacopoeia. American Pharmaceutical Association, National Formulary. American Medical Association, New and Non-official Remedies. American Dental Association, Accepted Dental Remedies.

SECOND YEAR

HOURS

Materia Medica. Lectures. Mr. OHMART. <i>Once a week throughout the year.</i>	32
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THIRD YEAR

HOURS

Therapeutics. Lectures. By members of the clinical departments. Course coördinated by Mr. Ohmart. <i>Once a week during the second half-year.</i>	15
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PATHOLOGY

S. BURT WOLBACH, M.D., *Shattuck Professor of Pathological Anatomy.*
 PERCY R. HOWE, D.D.S., S.D., *Instructor in Pathology*, and THOMAS
 ALEXANDER FORSYTH, *Professor of Dental Science.*

PAUL E. BOYLE, D.M.D., *Instructor in Pathology and Instructor in
 Operative Dentistry.*

REUBEN SCHULZ, M.D., *Instructor in Pathology.*

OTTO A. BESSEY, Ph.D., *Research Fellow in Pathology and Research
 Associate in Biological Chemistry.*

With the assistance of others of the Staff of the Department of Pathology of the Medical School.

REQUIRED COURSES

Pathology I. General Pathology. Second Year.—The course in Pathology consists of laboratory work and lectures. The basis of the laboratory work is a systematic course in pathological histology. In connection with this there are demonstrations of fresh material and museum specimens bearing on the subjects studied. For demonstrations, autopsy attendance, and experimental work, the class is divided into small sections. The demonstrations are given in connection with the subjects which are being studied, in rooms adjoining the main laboratory. Lectures are given three days in the week by Dr. WOLBACH and other members of the Department. The object of the lectures is to expand and coördinate the knowledge which the student obtains by the study of material and to introduce important recent advances not yet incorporated in text-books. No attempt is made to separate the subject of Pathology into general pathology and pathological anatomy, but the subject is studied as a whole. The student is taught methods of work, is given material, and directed, but he is taught to work independently. Tumors and other material coming from the surgical clinics are made full use of in the course. Conferences and recitations will occasionally be substituted for regular laboratory work.

Special lectures and demonstrations of subjects of importance to dentists are given by Dr. BOYLE throughout the course.

SECOND YEAR

HOURS

Lectures. Dr. WOLBACH and staff. *Mondays, Wednesdays, and
 Fridays, October through December.*

36

Laboratory work. Drs. BOYLE and SCHULZ. *Two and a half hours,
 Mondays, Wednesdays, and Fridays, during the forenoons of
 October through December.*

90

ORAL PATHOLOGY

KURT H. THOMA, D.M.D., *Charles A. Brackett Professor of Oral Pathology.*

CHARLES HERMAN TOZIER, M.D., *Research Fellow in Dental Science.*

LEONARD D. NATHAN, D.M.D., *Instructor in Oral Pathology.*

FREDERICK A. TREVOR, D.M.D., *Instructor in Oral Pathology.*

BURTON J. GOVE, D.M.D., *Instructor in Oral Pathology.*

HENRY M. GOLDMAN, D.M.D., *Research Fellow in Oral Pathology.*

Pathology 2. Oral Pathology. Third Year.—In this course the knowledge gained in general pathology is applied to the tissues of the mouth and teeth. The lectures and laboratory work are designed to promote a thorough understanding of oral and dental diseases, their symptoms, pathogenesis, and development. A study of oral diseases by the various clinical methods of examination used in diagnosis, particularly the roentgen method, is included. Great emphasis is placed, however, on histopathology, because his aspect is unsurpassed in giving the student a mental picture of the effect of disease on the various tissues involved. Each student is supplied with a set of slides containing sections of dental and oral lesions of which the history is known. The roentgen pictures belonging to these conditions are exhibited so that the clinical aspect of the case is related to microscopic investigation.

The course consists of lectures and laboratory work. The lectures are supplemented by the exhibition of lantern slides, photographs, gross specimens, roentgen pictures, and microscopic sections. In addition, informal discussions with demonstrations of clinical cases are held in the laboratory.

A collection of wax models of diseases of the teeth, lips, tongue, palate, and jaws is available for visual demonstration of rare lesions.

Text-books.—Thoma, *Oral Diagnosis and Treatment Planning*. Thoma, *Clinical Pathology of the Jaws*. Kronfeld, *Histopathology of the teeth*.

Collateral Reading.—Bunting, *Oral Pathology*. Price, *Dental Infections, Oral and Systemic*. Thoma, *Oral Roentgenology*, 2d edition. Prinz and Greenbaum, *Diseases of the Mouth and Their Treatment*. Selected articles from the literature.

THIRD YEAR

HOURS

Lectures. Professor THOMA. <i>Twice a week for four months.</i>	32
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Laboratory exercises and demonstrations. Drs. TREVOR, GOVE, and GOLDMAN. <i>Twice a week for four months.</i>	64
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Colloquia. Professor THOMA and staff.	
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BACTERIOLOGY

- HANS ZINSSER, M.D., *Professor of Bacteriology and Immunology.*
 FRED W. MORSE, JR., B.S., M.D., *Assistant Professor of Oral Medicine*
and Instructor in Bacteriology.
 CARL T. NELSON, D.M.D., *Instructor in Bacteriology.*

With the assistance of others of the Staff of the Department of Bacteriology of the Medical School.

Bacteriology I. Bacteriology and Immunology. Second Year.—Required bacteriology is taught by lectures and practical laboratory work. The lectures treat of the general subject and of methods of practical work. In the laboratory each student has an opportunity to become familiar with the simpler methods of manipulation and staining which are of especial clinical value, and with the more prominent of the pathogenic bacteria.

The microorganisms which are associated with dental disease and oral infections are particularly studied, and consideration given to the theories which have been advanced on the etiology of certain infectious processes in the mouth.

Opportunity is given to gain insight into the problems of immunity.

SECOND YEAR

HOURS

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| Lectures. Drs. ZINSSER, MORSE, and staff. <i>Tuesdays and Thursdays, October through January.</i> | 32 |
| Laboratory work. Dr. MORSE and staff. <i>Two hours, Tuesdays and Thursdays, October through January.</i> | 64 |

OPERATIVE DENTISTRY

- FRANK H. CUSHMAN, S.B., D.M.D., *Professor of Operative Dentistry, and Chairman of the Department.*
 EDWIN C. BLAISDELL, D.M.D., *Clinical Professor of Operative Dentistry, Emeritus.*
 AMOS I. HADLEY, D.M.D., *Clinical Professor of Operative Dentistry.*
 MARTIN B. DILL, A.B., D.M.D., *Clinical Professor of Operative Dentistry.*
 CLARENCE B. VAUGHAN, D.M.D., *Assistant Professor of Clinical Dentistry.*
 MORTON F. YATES, D.M.D., *Assistant Professor of Operative Dentistry.*
 HAROLD E. TINGLEY, D.M.D., *Assistant Professor of Operative Dentistry.*
 LEON E. DULAC, D.M.D., *Assistant Professor of Operative Dentistry.*
 ARTHUR P. YOUNG, D.M.D., *Assistant Professor in Operative Dentistry.*
 DAVID F. SPINNEY, D.M.D., *Instructor in Operative Dentistry.*
 CHARLES G. PIKE, D.M.D., *Instructor in Operative Dentistry.*
 EUGENE B. WYMAN, D.M.D., *Instructor in Operative Dentistry.*
 ERNEST V. L. WHITCHURCH, D.M.D., *Instructor in Operative Dentistry.*

ROGER B. TAFT, D.M.D., *Instructor in Operative Dentistry.*
 CHARLES F. SPRAGUE, D.M.D., *Assistant in Operative Dentistry.*
 STERLING N. LOVELAND, D.M.D., *Instructor in Operative Dentistry.*
 CHESTER L. SANDIFORD, D.M.D., *Instructor in Operative Dentistry.*
 FRANCIS P. DEVLIN, A.B., D.M.D., *Instructor in Operative Dentistry.*
 PAUL B. LeBARON, D.M.D., *Instructor in Operative Dentistry.*
 JOSEPH W. NEVINS, D.M.D., *Instructor in Operative Dentistry.*
 J. GILBERT RAY, D.M.D., *Instructor in Operative Dentistry.*
 LOUIS MISKELL, D.M.D., *Instructor in Operative Dentistry.*
 LAWRENCE W. BOWERS, D.M.D., *Instructor in Operative Dentistry.*
 PAUL E. BOYLE, D.M.D., *Instructor in Operative Dentistry.*
 ELBERT S. GODFREY, D.M.D., *Instructor in Operative Dentistry.*
 ROBERT M. FURFEY, D.M.D., *Assistant in Operative Dentistry.*
 RALPH B. LANCASTER, A.B., D.M.D., *Instructor in Operative Dentistry.*
 DUANE H. CLARRIDGE, D.M.D., *Assistant in Operative Dentistry.*
 PETER A. DEMPSEY, D.M.D., *Instructor in Operative Dentistry.*
 VICTOR I. MERRIAM, D.M.D., *Instructor in Operative Dentistry.*
 LEE O. SMITH, D.M.D., *Instructor in Operative Dentistry.*
 DONALD F. McCLOSKEY, D.M.D., *Instructor in Operative Dentistry.*
 HARRY S. SAIDEL, B.S., D.M.D., *Instructor in Operative Dentistry.*
 EDWIN M. SCRIBNER, D.M.D., *Instructor in Operative Dentistry.*
 MILTON L. BOYLE, D.M.D., *Assistant in Operative Dentistry.*
 PAUL K. LOSCH, D.D.S., *Instructor in Operative Dentistry.*
 ROBERT S. WESSON, D.M.D., *Instructor in Operative Dentistry.*
 G. EARL THOMPSON, D.M.D., *Instructor in Operative Dentistry.*
 HERMANN B. F. SEYFARTH, D.M.D., *Instructor in Operative Dentistry.*
 JAMES W. ETHERINGTON, D.M.D., *Instructor in Operative Dentistry.*
 PHILIP J. PINEL, D.M.D., *Instructor in Operative Dentistry.*
 RUSSELL H. CARPENTER, D.M.D., *Assistant in Operative Dentistry.*
 CLAUDE W. THOMPSON, D.M.D., *Assistant in Operative Dentistry.*

In the course in Operative Dentistry the mouth is considered from its standpoint as a masticating organ and as part of the body as a whole. Instruction is given by means of lectures, demonstrations, class-room discussions and clinical practice. It is systematically distributed through the last three years of the course.

At the beginning of the second year, the student is given a general perspective of the various mouth conditions in health and disease; the progress already made and the means used, in maintaining a healthy oral mechanism; and the various fields in which investigation is needed. From this point to the end of the third year, both class-room and clinical instruction is aimed at grounding the student in the fundamentals of separate operative procedures. For the first term, the principles of cavity

preparation common for all types of restoration are taught by means of the preparation of cavities in plaster teeth and on the odontotype; and general infirmary procedures, such as use of rubber dam, wedges, operative instruments, etc., are shown. For the second and third terms, the class is assigned patients in the infirmary, where instruction is given in the theory and practice of the use of plastic filling materials, in odontexesis, and other therapeutic measures for the prevention and control of caries.

During the third year sections of the class take up the more advanced types of restoration of lost tooth substance, studying in both class-room and infirmary, foil fillings, inlays (both gold and porcelain), and the diagnosis and treatment of pathology of the pulp. Diseases of the periodontium are considered at length, early recognition of predisposing factors and the necessary corrective means being especially stressed.

In the fourth year an attempt is made to correlate, in the mind of the student, the various factors in the mouth leading to health and disease, so that a competent survey of the mouth as a whole can be made, and proper corrective and preventive treatment, where necessary, instituted. The relation of Oral to Systemic disease is shown.

The clinics are run in close coördination with the School Medical Clinics, and students are permitted to accompany their patients when referred thereto for systemic supporting treatment.

An organized group of small children for study and research in Pediodontia is available. Several children are assigned to each fourth-year student for dental care throughout the year, and the student has opportunity for correlating the oral condition with the physical, through coöperation with the School Medical Clinic. Especial stress is placed on the importance of early treatment for the correction of mal-developments and the guiding of normal development of all the oral structures, as a means of establishing coördinations in those structures, leading to oral health in adult life.

Operative work and Orthodontia needed are conducted in the regular clinics under special instructors, so that comparison is possible with children showing the evil effects on coördination, and thus on health, of early neglect of physical conditions in general, and those of the mouth in particular.

The student is taught the importance of winning the child's confidence and instructing him in oral health measures to be carried out at home.

Text-books.—Students are required to purchase Merritt's Periodontal Diseases; Woodbury's The Making and Filling of Cavities in the Proximal Surfaces of the Front Teeth with Gold Foil; and Kronfeld's Histopathology of the Teeth and Their Surrounding Structures, in the Junior year and are urged to make frequent use of the library, which contains all the standard books on the subject, among these being the following:

Black, Operative Dentistry; McGehee, Text-book of Operative Dentistry; American Text-Book of Operative Dentistry; Stillman and McCall, Clinical Periodontia, etc.

SECOND YEAR

HOURS

Lectures. Drs. TINGLEY, and THOMPSON. *Twice a week throughout the year.* 64

THIRD YEAR

Lectures. Drs. DULAC, YATES, YOUNG, and SEYFARTH. *Twice a week during the first half-year; once a week during the second half-year.* 48

FOURTH YEAR

Lectures. Drs. CUSHMAN and LOSCH. Oral Diagnosis and Children's Dentistry. *Twenty-five lectures during the first half-year.* 25

SECOND, THIRD, AND FOURTH YEARS

Practical work. Drs. CUSHMAN, HADLEY, DILL, YATES, TINGLEY, DULAC, YOUNG, SPINNEY, PIKE, WYMAN, WHITCHURCH, TAFT, SPRAGUE, LOVELAND, SANDIFORD, DEVLIN, LeBARON, NEVINS, RAY, MISKELL, BOWERS, P. E. BOYLE, GODFREY, FURFEY, LANCASTER, CLARRIDGE, DEMPSEY, MERRIAM, SMITH, SAIDEL, SCRIBNER, LOSCH, WESSON, G. E. THOMPSON, SEYFARTH, ETHERINGTON, PINEL, CARPENTER and C. W. THOMPSON.

X-RAY DEPARTMENT. — DWIGHT M. CLAPP FOUNDATION

EARLE C. CUMMINGS, D.M.D., *Assistant Professor of Roentgenology.*
 FRANK E. WHEATLEY, A.B., M.D., *Instructor in Roentgenology.*
 FREDERICK R. McGRAIL, D.D.S. *Instructor in Roentgenology.*
 ARNOLD DE F. BARTON, D.M.D., *Assistant in Roentgenology.*
 HAROLD A. BRATT, D.M.D., *Instructor in Roentgenology.*
 PHILIP H. WHITE, A.B., D.M.D., *Instructor in Roentgenology.*
 JOSEPH A. CONWAY, D.M.D., *Instructor in Roentgenology.*
 GEORGE A. SULLIVAN, A.B., D.M.D., *Assistant in Roentgenology.*
 GEORGE J. DONAHUE, Ph.B., D.M.D., *Assistant in Roentgenology.*
 ROSS VROOM, D.M.D., *Assistant in Roentgenology.*

The course in Oral Roentgenology comprises lectures, quiz-conferences, technical demonstrations, and clinical instruction. Beginning in the second year with a didactic consideration of X-radiation and its relation to radiography, it continues with laboratory instruction in both X-ray and negative production, which, in turn, is followed by group study of the film product, as regards its character and orientation.

In the third year, a series of lectures is presented in which all phases of the subject pertaining to dental practice are considered. These are

supplemented by laboratory instruction in the form of technical and clinical demonstration, quiz-conferences, elementary interpretive study, and clinical practice under the direct supervision of a departmental instructor, wherein the student is taught the technique of high grade negative production and its relationship to efficient X-ray diagnosis.

Throughout the fourth year, each student, in the rotation of daily assignment, assumes the responsibilities and duties of clinical assistant to the Department. He is also given advanced technical instruction, as well as guidance in clinical diagnosis in which especial attention is given to case study. Additional opportunities for clinical practice are offered to fourth-year students whereby their personally assigned cases may be handled by them under general supervision. Two brief series of lectures are given during the second semester, the first dealing with the Roentgenological treatment of some of the general medical problems and its significance to dental practitioners of radiography, while the second is devoted to everyday problems from a radiodontic point of view.

Collateral Reading.—Raper, Elementary and Dental Radiography. Raper, Radiodontia. McCoy, Dental and Oral Radiography. Simpson, The Technic of Oral Radiography. Thoma, Oral Diagnosis and Treatment Planning. Osgood, Teeth and Jaws. Ivy, Interpretation of Dental and Maxillary Roentgenograms. Browning, The Dental Radiogram. Pollia, Alveolo-Dental Radiology. Ennis, Dental Roentgenology. Thompson, Operative and Interpretive Radiodontia. Greenfield, X-ray Technic and Interpretation of Roentgenograms.

SECOND YEAR

HOURS

Instruction Period. Dr. CUMMINGS. *Once a week for thirteen weeks.*

Lectures and sectional conferences.

13

THIRD YEAR

Lectures or Quiz-Conferences. Dr. CUMMINGS. *Once a week for twelve weeks.*

12

Clinical Demonstrations and Practical Work. Dr. CUMMINGS. *Daily throughout the year.* (Two students to each clinical period.)

Each student, about 60

FOURTH YEAR

Medical Roentgenology. Lectures. Drs. WHEATLEY and CUMMINGS. *Once a week for six weeks.*

6

Technical Demonstrations, Clinical Practice and X-ray Diagnosis. Dr. CUMMINGS, assisted by Drs. BARTON, BRATT, McGRAIL, WHITE, CONWAY, SULLIVAN, DONAHUE, and VROOM. *Daily throughout the year.* (One student to each clinical period.)

Each student, about 60

PROSTHETIC DENTISTRY

- FRED A. BECKFORD, D.M.D., *Professor of Prosthetic Dentistry.*
 NORMAN B. NESBETT, D.M.D., *Assistant Professor of Prosthetic Dentistry.*
 RICHARD B. SMITH, D.M.D., *Assistant Professor of Prosthetic Dentistry.*
 ARTHUR M. MALONEY, D.M.D., *Associate Professor of Prosthetic Dentistry and Chairman of the Department.*
 RAYMOND J. NAGLE, D.M.D., *Assistant Professor of Prosthetic Dentistry.*
 ARTHUR W. HICKS, D.M.D., *Instructor in Prosthetic Dentistry.*
 HENRY J. CARNEY, D.M.D., *Instructor in Prosthetic Dentistry.*
 JOHN R. WALLACE, D.M.D., *Instructor in Prosthetic Dentistry.*
 ARCHIE I. FAIN, D.M.D., *Instructor in Prosthetic Dentistry.*
 OSCAR C. JOSTEDT, D.M.D., *Instructor in Prosthetic Dentistry.*
 LEVON K. DAGHLIAN, D.M.D., *Instructor in Prosthetic Dentistry.*
 P. REGINALD MACKINNON, D.M.D., *Instructor in Prosthetic Dentistry.*
 ROGER J. EDWARDS, D.M.D., *Instructor in Prosthetic Dentistry.*
 JOSEPH H. BECK, D.M.D., *Instructor in Prosthetic Dentistry.*
 JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Prosthetic Dentistry.*
 CARL T. LEANDER, S.B., D.M.D., *Assistant in Prosthetic Dentistry*
 JOHN A. TARULE, D.M.D., *Assistant in Prosthetic Dentistry.*
 A. BRUCE DOWNES, D.M.D., *Assistant in Prosthetic Dentistry.*

The course in Prosthetic Dentistry extends from the second semester of the second year, through the third and fourth years.

During the second semester of the second year and the first semester of the third year, the student is given a technical training in the construction of appliances used in prosthetic restorations. This includes a study of the noble metals and their alloys, plaster, compound, investment, etc., and the technique of casting, soldering, heat treatment, etc. Occlusion is studied and the student is taught the use of instruments whereby mandibular movement may be recorded and utilized in diagnosis and in construction of restorations.

In the second semester of the third year and continuing throughout the fourth year, the student is assigned to clinical practice and is required to complete satisfactorily a number of full and partial dentures and bridge cases. By means of lectures and demonstrations he is taught examination of the mouth, diagnosis, and treatment. Complete examination is required in all cases accepted for treatment and the importance of this preliminary work is shown. The correlation of prosthesis with the other courses of instruction at the school is stressed and is taught in both lectures and clinical periods.

In addition to the regular prosthetic course, there is a surgical prosthetic clinic for the restoration of post-operative deficiencies. This work is car-

ried on by special instructors and more advanced students and the completed cases are demonstrated so that all the students may see the methods of restoration.

Text-books. — Prothero, Prosthetic Dentistry. Nichols, Prosthetic Dentistry. Kingsley, Oral Deformities. Kennedy, Partial Denture Construction. Schwartz, Cavity Preparation and Abutment Construction in Bridgework. Doxtater, Crown and Bridge. Skinner, The Science of Dental Materials.

SECOND YEAR

	HOURS
Lectures. Dr. MALONEY. <i>Once a week during the second half-year.</i>	16
Demonstrations and Laboratory Practice. Drs. MALONEY, BECK, LEANDER, and DOWNES. <i>Three times a week during January. Five times a week during the second half-year</i>	276

THIRD YEAR

Lectures. Drs. NESBETT, MALONEY, and NAGLE. <i>Forty-two times throughout the year.</i>	44
Demonstrations and Laboratory Practice. Drs. MALONEY, JAZOWSKI, FAIN, LEANDER, TARULE, and DOWNES. <i>Five times a week for twelve weeks during the first half-year.</i>	160
Clinics and Clinical Demonstrations. Drs. BECKFORD, NAGLE, HICKS, EDWARDS, and FAIN. <i>Five times a week during January, and four times a week throughout the second half-year.</i>	220

FOURTH YEAR

Lectures. Drs. BECKFORD, NESBETT, and SMITH. <i>Forty-eight times throughout the year.</i>	48
Demonstrations and Clinics. Drs. BECKFORD, NESBETT, SMITH, NAGLE, HICKS, CARNEY, WALLACE, MALONEY, JOSTEDT, MAC-KINNON, BECK, JAZOWSKI, DAGHLIAN, and TARULE. <i>Five times a week throughout the year.</i>	400

ORTHODONTIA

LAWRENCE W. BAKER, D.M.D., <i>Professor of Orthodontia.</i>	
HORACE L. HOWE, D.M.D., <i>Clinical Professor of Orthodontia.</i>	
FRED R. BLUMENTHAL, D.M.D., <i>Assistant Professor of Orthodontia and Director of the Graduate Course.</i>	
FRANK A. DELABARRE, D.D.S., M.D., <i>Associate in Orthodontia.</i>	
ALFRED P. ROGERS, D.D.S., <i>Associate in Orthodontia.</i>	
WILLIAM J. SPEERS, D.M.D., <i>Instructor in Orthodontia</i>	
LOUIS M. FREEDMAN, M.D., <i>Associate in Orthodontia.</i>	
RALPH E. GOVE, D.M.D., <i>Instructor in Orthodontia.</i>	
RAYMOND L. WEBSTER, D.M.D., <i>Instructor in Orthodontia</i>	
GEORGE N. ABBOTT, D.M.D., <i>Instructor in Orthodontia.</i>	
CLEOPHAS P. BONIN, D.M.D., <i>Instructor in Orthodontia.</i>	

RALPH W. SHORT, D.M.D., *Instructor in Orthodontia.*

SHINJI FUJISHIRO, D.D.S., D.M.D., *Instructor in Orthodontic Technique*

EVERETT A. TISDALE, D.M.D., *Instructor in Orthodontia.*

PAUL H. NEWHALL, A.B., D.M.D., *Instructor in Orthodontia.*

JOHN R. RICHARDSON, M.D., *Associate in Orthodontia.*

WILLIAM L. WILSON, D.M.D., *Assistant in Orthodontia.*

The course in Orthodontia begins at the opening of the second semester of the third year and extends throughout the remainder of that year and through the entire fourth year. The subject is taught by lectures supplemented by both laboratory training and practical work in the infirmary. The instruction in the courses offered is based on the principle that orthodontia is a mechanico-biological process.

In the third year the class-room teaching consists of lectures which serve as an introduction to the biological and mechanical principles upon which the subject is based. The teaching of the mechanical principles and orthodontic technique in these lectures serves as a basis for the laboratory course.

In the laboratory the class is divided into small groups—the object being to give the student individual instruction in orthodontic technique and in the construction of the various types of appliances used in modern orthodontia.

In the fourth year applied orthodontia is the dominant feature. The school offers an unlimited supply of clinical material so that each student has the opportunity of treating two or more cases of malocclusion, under the supervision of a clinical teacher.

The fourth year laboratory teaching and the lecture courses are carefully correlated with this clinical work. The lectures of the first semester deal principally with applied orthodontia, while those of the second semester are planned to carry the student further with the biological principles considered in the third year, including preventive orthodontia.

In addition to the undergraduate teaching, the School offers a Graduate Course in Orthodontia, the announcement of which may be found on page 44.

Text-books.—Angle, *Malocclusion of the Teeth* (Seventh Edition). Dewey-Anderson, *Practical Orthodontia* (Fifth Edition). McCoy, *Applied Orthodontia* (Fourth Edition).

Collateral Reading.—Earnest A. Hooton, *Up from the Ape*. J. C. Brash, *The Ætiology of Irregularity and Malocclusion of the Teeth*. Sir Arthur Keith, *Menders of the Maimed, Antiquity of Man*. Macewen, *The Growth of Bone*.

THIRD YEAR

HOURS

Lectures. DR. BLUMENTHAL. *Once a week for sixteen weeks.* 16

Demonstrations and Laboratory Exercises in Orthodontic Technique.

DRS. TISDALE, FUJISHIRO, NEWHALL, and WILSON. *Three hours a week from February throughout the remainder of the year.* 48

FOURTH YEAR

Lectures. DRS. BAKER, HOWE, BLUMENTHAL, and TISDALE. *Once a week for thirty weeks.* 30

Clinics. DRS. HOWE, GOVE, BONIN, FUJISHIRO, and TISDALE. *Seven hours a week throughout October. Three hours a week throughout balance of year.* 116

SYPHILOLOGY

AUSTIN W. CHEEVER, M.D., *Assistant in Dermatology and Syphilology.*

Third Year.—The course consists of lectures and clinical instruction given at the Massachusetts General Hospital, Out-Patient Department.

Students have an opportunity to see extra-genital chancres and the common skin eruptions, also many of the rarer manifestations of syphilis in the mouth and throat and non-syphilitic lesions that may be mistaken for syphilis. There are many patients showing changes in the teeth and jaws due to congenital syphilis.

Ward patients are utilized for teaching where they show conditions of interest from a dental standpoint.

Colored plates, photographs and plaster models of interesting or unusual manifestations are also employed.

Each student attends three exercises.

HOURS

Lectures and clinical instruction given during the first half-year.

Each student, 7

SURGERY, SURGICAL PATHOLOGY, ORAL SURGERY, AND ANAESTHESIA

LEROY M. S. MINER, D.M.D., M.D., *Professor of Clinical Oral Surgery.*

VARAZTAD H. KAZANJIAN, D.M.D., M.D., *Professor of Clinical Oral Surgery.*

HAROLD A. KENT, D.M.D., *Assistant Professor of Oral Surgery and Chairman of the Division of Extracting and Anaesthesia.*

HALSEY B. LODER, A.B., M.D., *Lecturer on Surgical Pathology and Surgery.*

WALTER V. MACGILVRA, D.D.S., *Lecturer on Anaesthesia.*

OLIVER P. WOLFE, D.M.D., *Instructor in Extracting and Anaesthesia.*

JOHN A. BREEN, D.M.D., *Instructor in Oral Surgery.*

CHESTER F. WOLFE, D.M.D., *Instructor in Extracting and Anaesthesia.*

DAVID D. BLOOM, D.M.D., *Instructor in Oral Surgery.*

J. MARK SMITH, D.M.D., *Instructor in Extracting and Anaesthesia.*

- F. CHESTER DURANT, D.M.D., *Instructor in Oral Surgery.*
 JOHN H. JAFFAR, D.M.D., *Instructor in Extracting and Anaesthesia.*
 FRANK H. LESLIE, D.M.D., *Instructor in Extracting and Anaesthesia*
 CHARLES J. SMITH, D.M.D., *Instructor in Oral Surgery.*
 RUSSELL S. PHILLIPS, D.M.D., *Instructor in Oral Surgery.*
 ROBERT G. RAE, D.M.D., *Instructor in Oral Surgery.*
 HAROLD C. ROBINSON, D.M.D., *Instructor in Extracting and Anaesthesia.*
 HAROLD A. CARNES, D.M.D., *Instructor in Oral Surgery.*
 GLENN W. LAWRENCE, D.M.D., *Instructor in Oral Surgery.*
 FRED G. ROLLINS, D.M.D., *Instructor in Oral Surgery.*
 WILLIAM R. PEPIN, S.B., D.M.D., *Instructor in Oral Surgery.*
 CHARLES W. CROWLEY, D.M.D., *Instructor in Oral Surgery.*
 FREDERICK A. HALEY, D.M.D., *Instructor in Extracting and Anaesthesia.*
 MOSES S. STROCK, D.M.D., *Instructor in Oral Surgery.*
 WILLIAM A. WALSH, A.B., D.M.D., *Instructor in Extracting and Anaesthesia.*
 EDGAR L. ABT, D.M.D., *Instructor in Extracting and Anaesthesia.*
 LINWOOD H. FARRINGTON, D.M.D., *Instructor in Extracting and Anaesthesia.*
 EDWARD J. DURLING, D.M.D., *Instructor in Extracting and Anaesthesia.*
 GEORGE DEF. BISSELL, D.M.D., *Instructor in Oral Surgery.*
 HARRY STONE, D.M.D., *Instructor in Extracting and Anaesthesia.*
 RICHARD W. LAWRENCE, D.M.D., *Instructor in Extracting and Anaesthesia.*
 GEORGE A. SULLIVAN, A.B., D.M.D., *Instructor in Roentgenology.*
 FRANK S. CARBONE, D.M.D., *Assistant in Extracting and Anaesthesia.*
 STANLEY B. VIRKLER, A.B., D.M.D., *Assistant in Extracting and Anaesthesia.*
 CHARLES C. PARKER, D.M.D., *Assistant in Extracting and Anaesthesia.*

The course is arranged to develop a broad conception of general and oral surgery including the extraction of teeth.

Surgery 1. Physical Diagnosis. Third Year.—A course of sixteen lectures in Physical Diagnosis is given during the first half-year covering general diagnostic methods and procedures. The correlation of the problems of physical diagnosis with those of oral diagnosis is emphasized.

Surgery 2. Surgical Pathology. Third Year.—Lectures in Surgical Pathology begin in January, covering such general subjects as inflammation, suppuration, ulceration, necrosis, etc.

Surgery 3. Extracting and Anaesthesia. Third Year.—Demonstrations are given to small sections of the class, in which the fundamental

problems of extraction are made clear. In these exercises students become familiar with forceps and lines of resistance in extracting and operate upon a dummy mounted with celluloid teeth.

Surgery 4. Oral Surgery. Extracting and Anaesthesia. Fourth Year.—Lectures on Principles of Surgery give the student a broad viewpoint of rules governing surgical procedures in general. These courses lead up to the lectures and demonstrations in Oral Surgery, together with clinics in the infirmary and hospitals. Clinics in dental and oral surgery are also held at the Massachusetts General Hospital with members of the teaching staff in attendance.

A course of lectures on extraction and nitrous oxide and oxygen anaesthesia is given, and practical instruction is given in the school clinic every day of the school year. Students are required to show proficiency in extraction and local anaesthesia in order to pass the examination in this department.

Text-books.—Da Costa, Modern Surgery. Brewer, Surgery. Warren, Surgical Pathology. Rose, Physical Diagnosis. Cabot, Physical Diagnosis. Brophy, Oral Surgery. Brown, Oral Surgery. Blair and Ivy, Essentials of Oral Surgery. Winter, Exodontia. Hewitt, Anaesthetics. Fischer, Local Anaesthesia in Dentistry. Thoma, Oral Anaesthesia, Smith, Block Anaesthesia and Allied Subjects. Nevin and Puterbaugh, Conduction, Infiltration, and General Anaesthesia in Dentistry. Posner, Local Anaesthesia Simplified. Berger, Principles and Technique of the Removal of Teeth. Sutton, Physical Diagnosis.

THIRD YEAR			HOURS
Lectures.	Dr. MINER.	<i>Once a week for sixteen weeks.</i>	16
	Dr. LODER.	<i>Once a week for twenty weeks.</i>	20
Demonstrations.	Dr. KENT.		Each student, 6

FOURTH YEAR			
Lectures.	Dr. MINER.	<i>Once a week for sixteen weeks.</i>	16
	Dr. KAZANJIAN.	<i>Once a week for twenty weeks</i>	20
	Dr. KENT.	<i>Once a week for twelve weeks.</i>	12
	Dr. MACGILVRA.	<i>Once a week for eleven weeks.</i>	11
Surgery Clinics.	Drs. MINER, KAZANJIAN, KENT, SMITH, ROLLINS, PEPIN, STROCK, and BISSELL. <i>Twice a week throughout the year.</i>		30
	<i>Each student has about ten exercises.</i>		
Extraction Clinics.	Drs. MACGILVRA, O. P. WOLFE, C. F. WOLFE, J. M. SMITH, JAFFAR, LESLIE, ROBINSON, HALEY, WALSH, ABT, FARRINGTON, STONE, LAWRENCE, SULLIVAN. CARBONE, VIRKLER, and PARKER. <i>Daily throughout the year.</i>		42
	<i>Each student has about fourteen exercises.</i>		
Massachusetts General Hospital Clinics.	Drs. BREEN, DURANT, PHILLIPS, RAE, CARNES, LAWRENCE, CROWLEY, and STROCK.		

ORAL MEDICINE

HYGIENE, ORAL HYGIENE, AND PUBLIC HEALTH

FRED W. MORSE, JR., S.B., M.D., *Assistant Professor of Oral Medicine, and Instructor in Bacteriology.*

DAVID WEISBERGER, S. B., D.M.D., M.D., *Instructor in Oral Medicine.*

MARK D. ELLIOTT, D.D.S., *Assistant in Oral Medicine.*

ELLIS B. JUMP, A.B., D.M.D., *Research Fellow in Dentistry.*

The aim of the teaching in dentistry is to give its graduates as many effective methods of diagnosis as possible, in order that the most successful treatment may be accomplished for their patients. To do this it is necessary to go beyond direct observation of the mouth. In order that the students may appreciate the value of methods of diagnosis, such as are used in a physical examination, or in a laboratory examination, a description of certain of the general systemic diseases is presented.

Oral Medicine 1. General Hygiene. First Year.—A course of lectures and conferences held in conjunction with the courses in chemistry, anatomy and physiology, and concerned with the problems of human efficiency, happiness, and the prevention of disease. Practical discussions on health are held by the school physician. Considerable attention is paid to the subject of posture and to the prevention and correction of those postural strains common to the active dental practitioner, with demonstrations by the instructor in physical education, and gymnasium periods under his direction.

HOURS

Lectures and Conferences. Dr. MORSE. *During the second half-year.*

12

Oral Medicine 2. Second Year.—A course of twenty lectures on medicine designed to show the clinical picture of selected diseases and how these diseases affect the parts of the body, including the mouth.

HOURS

Lectures. Drs. MORSE and WEISBERGER. *Once a week for twenty weeks, beginning in January.*

20

Oral Medicine 3. Third year.—A continuation of the second year lectures, stressing the methods used in diagnosis and the relation of signs and symptoms of disease in the mouth to the diagnosis of general disease of the body. The course is supplemented by lectures on endocrinology, diseases of the heart and kidney, and diabetes by leading specialists in the Harvard Medical School.

HOURS

Lectures. Drs. MORSE, WEISBERGER, and special lecturers. *Once a week during the second half-year.*

16

Oral Medicine 4. Public Health. Fourth Year.—General Public Health methods of tested efficiency are described and their application to

the problems of dentistry discussed. Illustrations of methods in use at the present time in Dental Public Health are brought before the students by specialists from the Massachusetts Department of Public Health and other active services.

HOURS

Lectures. Dr. MORSE and special lecturers. *Once a week for eight weeks.*

8

SEMINARS

HARRY C. TRIMBLE, Ph.D., *Director.*

Third Year. — During the first half-year the Class is divided into small working groups of from two to five men each, to whom is assigned a definite subject for study under the direction of a tutor. Every second week students report in conference on the reading or laboratory work. Suggestions, evaluations and discussions of the various problems are considered. A complete essay or thesis is developed to indicate what the student has absorbed during three months of study. These papers are read before the entire group of men in the third-year class, towards the end of the course.

HOURS

Seminars. Dr. TRIMBLE and assistants. *Once a week during the first half-year.*

48

CONDUCT OF PRACTICE

EDWIN N. KENT, D.M.D., *Lecturer on Conduct of Practice*

Fourth Year. — A course of lectures, with opportunities for discussion and consultation, covering the general subject of office organization and management and embracing the selection of location and equipment, record keeping, routine office procedure, development of personal efficiency, psychology of professional success, professional ethics, and dental jurisprudence.

The aim of the course is to assist in the development of a practical and useful professional life, and lectures are given to the fourth-year class during the last half-year.

HOURS

Lectures. Dr. KENT. *Once a week for twelve weeks.*

12

COURSES FOR GRADUATES

The object of the graduate courses is to enable graduates in dentistry to continue their studies along lines in which they may be interested. Attendance on such courses does not entitle a student to examination for the degree. A certificate of attendance will be furnished when desired to students who have satisfactorily completed the requirements of the courses attended.

The following courses are offered :

Orthodontia; a comprehensive course which familiarizes the student with modern methods of diagnosis and treatment of all types of malocclu-

sion. Includes lectures, demonstrations, seminars and practical clinical experience. *Six mornings a week throughout the academic year.*

Oral Surgery; a clinical course, limited to four students. Includes lectures and clinics at the Dental School and various hospitals.

Public Health Dentistry; a course under the joint auspices of the School of Public Health and the Dental School. The course is aimed at preparing the students to take positions as directors of dental health in state and city departments of health.

In addition to these courses, students may be admitted to other departments of the School, upon approval of the heads of the departments, for instruction in technical and clinical methods.

For further information in regard to graduate work, apply to the Dean's Office.

RESEARCH

PERCY R. HOWE, A.B., D.D.S., S.D., *Thomas Alexander Forsyth Professor of Dental Science.*

HAROLD L. WEATHERFORD, Ph.D., *Assistant Professor of Anatomy.*

MOSES J. EISENBERG, D.M.D., *Research Fellow in Dentistry.*

The laboratories of the Medical School offer facilities to members of the Faculty and to students who are interested in scientific investigation.

The laboratories work in coöperation with the clinical departments of the School in the compilation of scientific data from the wealth of material available. There is an increasing use of the laboratories by students in the checking up of their clinical procedures.

The investigations of biological problems of dental significance are undertaken in the various departments.

University Committee on Research in Dental Medicine.—Through this Committee, with representatives from the Faculty of Arts and Sciences and from the Medical and Dental Schools, an effort is being made to broaden the basis of dental research. By means of funds which have been made available investigation is now being pursued in deficiency diseases, and their effects on the teeth, in the Department of Pathology in the Medical School, where a chemical laboratory has been established and a research chemist works on a full-time basis.

The Harriet Newell Lowell Society for Dental Research.—In 1907, Miss HARRIET NEWELL LOWELL bequeathed to the Harvard Dental School a sum of money, the interest to be applied each year to dental research. In addition to the appointment of a special research worker and a research committee of five men, the Administrative Board formed the Harriet Newell Lowell Society for Dental Research. The object of the Society is to interest the students in research. Its president and a majority of its

executive committee are students, and meetings are held in the School building. A well-equipped research laboratory is open for the use of the students and teachers who are interested in scientific investigation.

OFFICERS. — C. T. Lawrence, *President*; Parker Mann, A. B., *Vice-President*; R. E. Atwood, *Student Treasurer*; F. F. Bliss, *Student Secretary*.

EXECUTIVE COMMITTEE. — Dean Leroy M. S. Miner, D.M.D., M.D., Sc.D., *Chairman*; Lawrence W. Baker, D.M.D.; H. L. Weatherford, Ph.D.; Kurt H. Thoma, D.M.D., Arthur P. Young, D.M.D.

CLINICAL ADVANTAGES

The Dental School is established in Boston in order to secure those advantages for Clinical Instruction which are found only in large cities.

The clinics of the Dental Hospital afford an unlimited number of patients so that each student receives abundant practice in all branches of Dentistry.

At midyears of the second year, after finishing his technique work on the Odontotype, each student is assigned a chair in the Operative Infirmary and begins work on patients. Each student is required to operate eighteen hours a week throughout the second year; and fifteen hours a week throughout the third and fourth years.

Each student is assigned a bench in the Prosthetic Laboratory in the second year and is required to work in the Laboratory nine hours a week during January, and fifteen hours a week throughout the second half-year, and until January 1 of the third year. At this time patients are assigned and the student works in the Prosthetic Infirmary or the Laboratory fifteen hours a week during the remainder of the third year and throughout the fourth year.

University Dental Health Service, Hygiene Building. — Associated with the clinics of the Dental School, and in coöperation with the Department of Hygiene, is the dental health service for Harvard College students and members of the graduate schools in the University. In addition to dental examinations of all Harvard College freshmen, the health service includes the supervision of their dental problems. This service is under the directorship of Morton F. Yates, D.M.D., with the following members of the teaching staff: Edward J. Durling, D.M.D., and Robert M. Furfey, D.M.D.

The Peter Bent Brigham Hospital. — This general hospital has been in active operation since February, 1913. The hospital is for general medical and surgical cases, and is situated on ground adjacent to the Medical School buildings. Dr. Henry A. Christian, Hersey Professor of the Theory and Practice of Physic, and Dr. Elliott C. Cutler, Moseley

Professor of Surgery, in the Harvard Medical School, have been appointed by the trustees of the Hospital Physician-in-chief and Surgeon-in-chief respectively. Instruction in anaesthesia and oral surgery is given to dental students by Dr. M. S. Strock, Instructor in Oral Surgery, under direction of Dr. Leroy M. S. Miner, Professor of Clinical Oral Surgery in the Harvard Dental School, and Consulting Dental Surgeon at the Hospital. Dr. Strock also conducts ward walks for the fourth year medical students.

The Massachusetts General Hospital.—Clinics are held in the Out-Patient Department in Medicine, Surgery, Dentistry, Children's Medical, Dermatology, Genito-Urinary, Laryngology, Orthopedics, and Syphilis. The following have been established: Anaphylaxis, Arthritis, Cardiac, Convalescent, Dental, Diabetic, Infantile, Industrial, Massage, Non-pulmonary Tuberculosis, Nutrition, Vaccine Treatment, and X-ray Treatment.

The Dental and Oral Surgery Clinic is open forenoons daily except Sunday, and is administered by a staff holding appointments in the Dental School, under the direction of Leroy M. S. Miner, D.M.D., M.D., Sc.D., Oral Surgeon and Chief of Dental Staff.

The Children's Hospital — A specialized hospital for the care of sick children up to twelve years of age. The hospital maintains medical, surgical, and orthopedic departments. Pathological, bacteriological and chemical laboratories are provided for the study of material from the wards and Out Patient departments. Dr. Leroy M. S. Miner is Consulting Dental Surgeon and Dr. Fred R. Blumenthal is Consulting Orthodontist at the hospital. Bi-weekly ward walks are conducted by Drs. Paul E. Boyle, Paul K. Losch, and David Weisberger. The pathological laboratory contains histological preparations of a large number of jaws of infants. This material is available for study by properly qualified students.

LIBRARIES AND MUSEUMS

The College Library at Cambridge is open to students, and also the Library of the *Boston Medical Library Association*, which has a dental section containing a large and very complete collection of dental literature. It includes the libraries of the American Academy of Dental Science and the Massachusetts Dental Society. There is a good reference library of modern books, including encyclopaedias, systems, etc. The Library is open daily, except Sundays and holidays, from 9 A.M. to 6 P.M.

The Dental School Library, STERLING N. LOVELAND, D.M.D., *Librarian*, contains about 4,200 especially selected volumes to which the students and graduates of the School have free access. The Library is open on week days from 9 A.M. to 5.30 P.M., and on Saturdays until 1 P.M.

The Boston Public Library is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office may also use this Library.

The Boston Medical Library, No. 8 The Fenway, one of the largest medical libraries in this country, is open to those who desire to consult medical literature, on week days from 9.30 A.M. to 10 P.M., on Saturdays till 6 P.M.

The Dental Museum has been organized to illustrate the growth of dentistry as an art and a science. The evolution of dental practice is portrayed by collections of instruments, appliances, and pathologic specimens, dating from early days up to the present time.

Specimens of human and comparative anatomy, normal and pathologic, have been assembled for teaching purposes and study.

Models for comparative studies of the mouths of civilized and primitive peoples are among the Museum's valuable specimens. These are sets of plaster reproductions of the teeth of the vegetable eaters of Yucatan, showing deplorable and insanitary conditions; and also of the meat-eaters on the extreme northern coast of Labrador, Baffin Land, and Etah, showing almost perfect dental and oral health.

Of especial interest is the Kazanjian Collection of facial casts and appliances, showing the reconstructive surgery and prosthesis performed on wounded soldiers by V. H. Kazanjian, D.M.D. '05, during the World War.

The Warren Anatomical Museum of the Harvard Medical School was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son to JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. This important Museum is open to students in the School, and its collections are used in demonstration of the lectures.

The collection has over eleven thousand specimens, illustrating both normal and pathological anatomy. Students may have access to these specimens at any time upon application to the Curator.

Besides dissections and serial sections of many bones, the anatomical collection includes many corrosion preparations, plaster and papier maché models of bones, organs, and various parts of the body, and frozen sections.

The pathological collection is being constantly enlarged by the addition of numerous specimens, preserved in their natural colors.

Exhibits of specimens illustrating topics of special interest are made from time to time.

PHILLIPS BROOKS HOUSE

HARVARD UNIVERSITY

The Dental School Society, a branch of the Phillips Brooks House Association, represents the religious, philanthropic, and social interests among the students in the Harvard Dental School. Membership in the society is open to any student who is in sympathy with any one or more of these objects. The society maintains an information bureau at the opening of the college year, at which catalogues, pamphlets, maps, and lists of boarding houses investigated and approved by the school are furnished. It also organizes discussion groups and conducts meetings addressed by leading men in the dental profession, the main object of these meetings being to present the ethical side of the profession. The society is also planning to organize an employment bureau.

FELLOWSHIPS AND SCHOLARSHIPS

The scholarships listed below apply to the Dental students only. Awards for the current year are made by the Committee on Scholarships in January. Owing to the limited funds available, it is the policy of the Committee to give preference to third and fourth-year students, although occasional awards may be made to second-year students whose work is outstanding.

Applications should be presented at the Dean's office on forms provided for the purpose, not later than January 1.

THE ALFORD FUND (1785); Mrs. Joanna Alford. With an income of \$300, "to be used for scholarships for those students who are under low and indigent circumstances."

THE DWIGHT M. CLAPP SCHOLARSHIP; with an income of one hundred and twenty-five dollars. Established in 1926 by the will of Clara Josephine Clapp in memory of her husband, DWIGHT M. CLAPP, D.M.D. 1882. For a student born in Massachusetts, preferably one who has had a college education or training of a classical character, or who has such educational qualifications as are prescribed for admission to the Harvard Medical School.

THE JOSEPH EVELETH SCHOLARSHIP; with an income of \$250, founded by Joseph Eveleth of Boston and Watertown, Sheriff of Suffolk County from 1840 to 1855, except in 1853.

THE THOMAS ALEXANDER FORSYTH Scholarship Fund (1929), with an income of six hundred and seventy-five dollars, to be given each year to two worthy and deserving students in the Dental School who are desirous of becoming dentists and who have passed the requirements of scholarship, the income to be given to the same men until they have completed their course at the school.

THE EUGENE HANES SMITH SCHOLARSHIP. In 1920, in recognition of Dean Smith's twenty-five years of service to the Dental School, the Harvard Dental Alumni Association gave a sum of money for the establishment of a scholarship, to be known as The Eugene Hanes Smith Scholarship. The income from this fund will be awarded annually to a worthy and meritorious student in the third or fourth year of the Dental School, who has been a student in regular standing during the first and second years. The income may be divided between two students at the discretion of the Dental Committee on Scholarships.

PETER E. STRAUSS Scholarship with an income of five hundred dollars. Established in 1922, under the will of Emily R. M. Strauss of Boston, in memory of her husband.

THE ALUMNI LOAN FUND. The sum of approximately six thousand dollars has been received from the Harvard Dental Alumni Association and from the Dental Classes of 1900, 1901, 1902, 1904, 1905, 1906, and 1908 to be used as a loan fund to aid any deserving students who require financial assistance.

THE CHRISTIAN SOLDIER FUND; a loan fund established in 1924 by Miss Caroline F. Anderson, of Brookline, for the benefit of needy and deserving students.

THE ROBERT T. MOFFATT FUND, a loan fund established by Dr. Robert T. Moffatt of Boston for the benefit of deserving students who are in need of financial aid.

THE LUCINDA DAVIS FERNALD FUND, a loan fund established in 1936 by Dr. Adelbert Fernald of Boston, for the benefit of deserving New England born students of good character.

THE DAVENPORT PRIZE

As a contribution from the Class of 1910, and in memory of his father, Dr. S. Ellsworth Davenport, Jr., of New York, will give fifty dollars a year, for five years, beginning June, 1936, to that member of the graduating class who during his four year course is deemed best to have upheld the ideals of the school in loyalty, character, high scholastic standing and quality of work.

UNIVERSITY SCHOLARSHIPS

In addition to the foregoing scholarships which apply only to students in the Dental School, a certain number of scholarships and gratuities in the University are available. These financial aids are awarded to such men among those applying for and needing assistance as give evidence of having done the best work either in this School or in a preparatory course elsewhere.

Application should be made to Dean GEORGE D. BIRKHOFF, Chairman of the Committee on General Scholarships and on the Sheldon Fund.

Students who have not been able to obtain scholarships often find time and opportunity to do outside work of various kinds in the city.

THE DANIEL A. BUCKLEY SCHOLARSHIPS; with an income of two hundred and fifty dollars each, for graduates of the public schools of the city of Cambridge.

LEWIS AND HARRIET HAYDEN (1894). MRS. HARRIET HAYDEN. Open to colored students in the Medical School, in the School of Public Health, and in the Dental School. May be divided between two or more colored students. If not awarded in these schools, this scholarship is open to colored students in any other department of the University. Three hundred dollars.

THE PARKER FELLOWSHIP. Established in 1873 in memory of JOHN PARKER, Jr., with an income of forty-five hundred dollars, for the instruction, education and maintenance of one or more students of eminent natural talents or genius for some one or more of the sciences taught in the University. Available for study at the University or in foreign countries.

THE PRINCETON FELLOWSHIP; with a stipend of six hundred dollars. From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

FRANKLIN REYNOLDS (1929). JOHN F. REYNOLDS. For students in any department of Harvard University who are natives of Marblehead, Massachusetts. Applications should be made to the President's Office on recommendation of the Dean of the school where the applicant is registered. Six, each six hundred dollars.

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS. The income of this Fund is available for students in any Department of the University. For particulars see University Catalogue.

THE WILLIAM STOUGHTON SCHOLARSHIP; with an income of twenty-one hundred and fifty dollars. One or more scholarships in any department of the University, from the income of the bequest under the will of Governor Stoughton, preference being given, first, to students of Dorchester, and second, if there be none such, to students of the town of Milton.

TABULAR VIEW — 1937-38

FIRST YEAR — FIRST HALF-YEAR

Medical School

SEPTEMBER-JANUARY 15		JANUARY 17-29
	MONDAY-SATURDAY	MONDAY-SATURDAY
9-1	Chemistry, Mon., Wed., and Fri. Physiology, Tues. and Thurs.	January 18, 20, 22, Physiology Other days, Dental Anatomy
2-5.30	Chemistry, Mon., Wed., and Fri. Physiology, Tues. and Thurs.	

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FIRST YEAR — SECOND HALF-YEAR

JANUARY 31-FEBRUARY 28		MARCH, APRIL AND MAY
	MONDAY-SATURDAY	MONDAY-FRIDAY
9-1	Dental Anatomy	Anatomy, Mon., Wed., and Fri. Histology, Tues. and Thurs.
2-5.30	Embryology, daily except Saturday	Dental Anatomy until Apr. 2

SEPTEMBER-DECEMBER

JANUARY

	MON.	TUES.	WED.	THURS.	FRI.	SAT.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
8-45-9-45	General Pathology	Oper. Dent. L.	General Pathology	Oper. Dent. L.	General Pathology	Materia Medica L.	Prosthetic Dent. L.	Oper. Dent. L.	Radiography L.	Oper. Dent. L.	Oral Medicine L.	Materia Medica L.
10-1	H. M. S.	Oper. Tech.	H. M. S.	Oper. Tech.	H. M. S.	Oper. Tech.	Operative Dentistry					
2-5-30	Oper. Tech.	Bacteriology	Oper. Tech.	Bacteriology	Oper. Tech.		Pros. Tech.	Bacteriology	Pros. Tech.	Bacteriology	Pros. Tech.	

SECOND YEAR - SECOND HALF-YEAR

FEBRUARY-JUNE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-45-9-45	Prosthetic Dentistry L.	Operative Dentistry L.	Radiography L.	Operative Dentistry L.	Oral Medicine L.	Materia Medica L.
10-1	Operative Dentistry					
2-5-30	Prosthetic Technique					

THIRD YEAR, 1937-38

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SEPTEMBER-JANUARY

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.45-9.45	Oper. Dent. L.	Physical Diagnosis L.	Oper.* Dent. L.	Prosthetic Dent. L.	Radiography L. Prosthetic Dent. L. Surgical Pathology L. beginning January 14	Therapeutics
10-1	Operative Dentistry Syphilology**	Operative Dentistry	Operative Dentistry	Operative Dentistry	Operative Dentistry Syphilology**	Prosthetic Tech. Syphilology**
2-5.30	Prosthetic Tech.	Prosthetic Tech.	Prosthetic Tech.	Prosthetic Tech.	Seminars	

FEBRUARY-JUNE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.45-9.45	Prosthetic Dent. L.	Orthodontia L.	Prosthetic Dent. L.	Operative Dent. L.*	Oral Medicine L.	Surgical Pathology L.
10-1	Operative Dent.* Syphilology**	Orthodontia Tech.	Operative Dent.*	Operative Dent.*	Operative Dent.* Syphilology**	Prosthetic Dent. Syphilology**
2-5.30	Prosthetic Dent.	Oral Pathology H. M. S.	Prosthetic Dent.	Prosthetic Dent.	Oral Pathology H. M. S.	

* Class divided in 3 sections; Periodontia, Inlay, Gold Foil. ** Small sections of class.

FOURTH YEAR, 1937-38

SEPTEMBER-JUNE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.45-9.45	Prosthetic Dentistry L.	Oral Diagnosis L. 4 weeks Extracting and Anaesthesia L. 12 weeks Principles of Surgery L.	Prosthetic L. alternating with Gas-Oxygen Anaesthesia L.	Orthodontia L. 24 weeks Roentgenology L.	Oral Diagnosis L. 10 weeks Clinical Oral Surgery L.	Pedodontia 8 weeks Public Health Dentistry L. 8 weeks Conduct of Practice L., 12 weeks
10-1	Prosthetic Dentistry X-ray*	Prosthetic Dentistry Surgery* X-ray*	Prosthetic Dentistry X-ray* Gas-Oxygen Clinic*	Prosthetic Dentistry X-ray*	Prosthetic Dentistry Surgery* X-ray*	Orthodontia during October Operative, beginning Nov. 6 Extracting*
2-4	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	Operative Dentistry X-ray* Extracting*	
4-5.30		Orthodontia	Gas-Oxygen Clinic*	Orthodontia during October	Orthodontia after November 1	

* Class in small sections.

DENTAL SCHOOL

GRADUATE STUDENTS

NAME	HOME RESIDENCE
Brancato, Samuel Austin, D.D.S. (<i>Univ. of California</i>) 1924.	<i>San Jose, Calif.</i>
Chaikin, Bernard Simeon, D.M.D. (<i>Tufts Coll. Dental School</i>) 1922.	<i>Brighton</i>
Hawley, Carlotta Augusta, D.D.S. (<i>Univ. of Maryland</i>) 1936.	<i>Washington, D.C.</i>
Lynch, George William, D.M.D. (<i>Tufts Coll. Dental School</i>) 1933.	<i>Framingham</i>
Scott, Emmett Julian, S.B. (<i>Virginia Union Univ.</i>) 1922,	D.M.D. (<i>Harvard Univ.</i>) 1925.
	<i>Washington, D.C.</i>
Stevenson, Willard John, D.D.S. (<i>Univ. of Buffalo</i>).	<i>New York, N.Y.</i>
Wood, Isaac Vernon, D.D.S. (<i>Loyola Univ.</i>) 1937.	<i>Mobile, Ala.</i>

FOURTH YEAR

Aaron, Julius Arthur, A.B. (<i>Dartmouth Coll.</i>) 1933.	<i>Greenfield</i>
Archambault, Gerard Phillip (<i>Providence Coll.</i>).	<i>W. Warwick, R.I.</i>
Berry, Ernest Combs (<i>Univ. of Vermont</i>).	<i>Rutland, Vt.</i>
Bliss, Frank Farnell (<i>Massachusetts Inst. of Technology</i>).	<i>Cranston, R.I.</i>
Blum, Samuel Irving, S.B. (<i>Providence Coll.</i>) 1934.	<i>New Haven, Conn.</i>
Brown, John Crichton, A.B. 1934.	<i>Concord, N.H.</i>
Davenport, Sebert Ellsworth, 3d, A.B. 1934.	<i>Forest Hills, L.I., N.Y.</i>
Donsanto, Leonard Nicholas (<i>Univ. of Pennsylvania</i>).	<i>Brighton</i>
Doscher, John Henry (<i>Moravian Coll. and Theological Sem.</i>).	<i>Brookline</i>
Eaton, John Brady, A.B. (<i>Acadia Univ.</i>) 1934.	<i>Wolfville, N.S., Canada</i>
French, Vernon Richmond (<i>Mount Union Coll.</i>).	<i>Lowell</i>
Gage, Stanley Ashton, Jr. (<i>Middlebury Coll.</i>).	<i>New Rochelle, N.Y.</i>
Goodman, Nathan, S.B. (<i>Massachusetts Inst. of Technology</i>) 1934.	<i>S. Boston</i>
Haynes, Ernest Robert, S.B. (<i>Tufts Coll.</i>) 1934.	<i>W. Warwick, R.I.</i>
Hunt, John Warren (<i>Colby Coll.</i>).	<i>Gardiner, Me.</i>
Lambertson, William Andrew (<i>Moravian Coll. and Theological Sem.</i>).	<i>Freehold, N.J.</i>
Lawrence, Charles Temple (<i>Univ. of New Hampshire</i>).	<i>Manchester, N.H.</i>
Lucas, Lawrence, S.B. (<i>Tufts Coll.</i>) 1934.	<i>Boston</i>
McCann, Charles Francis, A.B. (<i>Providence Coll.</i>) 1933.	<i>Providence, R.I.</i>
Marran, Vincent Peel, Jr. (<i>Coll. of the Holy Cross</i>).	<i>Holyoke</i>
Matteson, William Giles, Jr., S.B. (<i>Middlebury Coll.</i>) 1934.	<i>Albany, N.Y.</i>

Messier, Henry Edward (<i>Boston Univ.</i>).	Taunton
Novogroski, Allen Irwin, PH.B. (<i>Brown Univ.</i>) 1933.	Westerly, R.I.
O'Neill, Gerald Lyne (<i>Coll. of William and Mary</i>).	Mattapan
Parker, George Deming (<i>Harvard Univ.</i>).	Watertown
Parsons, Donald Whitman (<i>Univ. of North Carolina</i>).	Scituate
Pierson, Harold LaSalle, S.B. (<i>Syracuse Univ.</i>) 1934.	Bloomfield, N.J.
Roos, Donald Abraham (<i>Connecticut State Coll.</i>).	Brookline
Sawyer, Norman Pierce (<i>Bates Coll.</i>).	Cornish, Me.
Schmit, Camille Jean Eugène (<i>Gymnasium of Luxembourg</i>), (<i>École de Chirurgie Dentaire et de Stomatologie</i>) 1936.	Boston
Zimmerman, Herbert Irving, A.B. (<i>Yale Univ.</i>) 1934.	New Haven, Conn.

THIRD YEAR

Bailey, Harry Kiessling, S.B. (<i>Hamilton Coll.</i>) 1935.	Rutherford, N.J.
Bernstein, Harry Bernard, S.B. (<i>Massachusetts State Coll.</i>) 1934.	Dorchester
Cohen, Howard Stanley (<i>Massachusetts State Coll.</i>).	Dorchester
Coombs, Robert Lincoln, S.B. (<i>Bates Coll.</i>) 1935.	Brockton
Craig, Seth Clayton, Jr., S.B. (<i>Hamilton Coll.</i>) 1935.	Newburgh, N.Y.
Cunningham, James Herbert (<i>Univ. of Maine</i>).	Bar Harbor, Me.
Epstein, Henry David, S.B. (<i>Massachusetts State Coll.</i>) 1935.	Brookline
Gardner, Wallace Joseph (<i>Fordham Coll.</i>).	Coxsackie, N.Y.
Garrett, Richard Dempster (<i>Saint Lawrence Univ.</i>).	Glens Falls, N.Y.
Gold, Arthur, S.B. (<i>Massachusetts State Coll.</i>) 1935.	Springfield
Greene, Frank Bernard, S.B. (<i>Boston Univ.</i>) 1935.	Cambridge
Hakanson, Ivar Rudolph (<i>Tufts Coll.</i>).	Winchester
Helfand, Harry, A.B. (<i>Univ. of Maine</i>) 1935.	Milford
Hopkins, Chester Thomas (<i>Coll. of William and Mary</i>).	Lynn
Hughes, Harry Hartshorn (<i>Tufts Coll.</i>).	Colebrook, N.H.
Kennedy, Robert Farrell (<i>Univ. of Vermont</i>).	Waterbury, Vt.
Kop, Willem (<i>Gcoische Hoogere Burgerschool</i>).	Bussum, Holland
Legg, Robert Leroy (<i>Boston Univ.</i>).	Reading
McCrudden, James Edward (<i>Manhattan Coll.</i>).	New York, N.Y.
Mann, Parker, A.B. (<i>Bates Coll.</i>) 1932.	Auburn, Me.
Marcotte, Yvon Weippert (<i>Bates Coll.</i>).	Lewiston, Me.
Meuser, Ernest August (<i>Brown Univ.</i>).	Pawtucket, R.I.
Peters, Maurice Earle, Jr. (<i>Dartmouth Coll.</i>).	W. Newton
Romanow, Irving (<i>Harvard Univ.</i>).	Boston
Sablow, Lester Henry, A.B. (<i>Ohio Univ.</i>) 1936.	Mount Vernon, N.Y.
Simmons, Normal Stanley (<i>Coll. of the City of New York</i>).	Mount Vernon, N.Y.
Sollitto, Paul Henry, S.B. (<i>Rhode Island State Coll.</i>) 1935.	Providence, R.I.
Thorne, Stephen Edward, Jr. (<i>Univ. of Pennsylvania</i>).	Schuylerville, N.Y.

Weisman, David Bert (<i>Massachusetts Inst. of Technology</i>).	Mattapan
Welch, Edward Joseph (<i>Coll. of the Holy Cross</i>).	Springfield
Wellock, William Donald (<i>Univ. of Alabama</i>).	Chelsea
Wood, William Edwin, s.B. (<i>Agricultural Coll. of Utah</i>) 1925.	Logan, Utah

SECOND YEAR

Atwood, Richard Eddy (<i>Rhode Island State Coll.</i>).	Warwick, R.I.
Barron, Joseph Bertram (<i>Harvard Univ.</i>).	Dorchester
Birch, Samuel McLaughlin (<i>Bowdoin Coll.</i>).	Dover
Brackett, Philip Stockman, s.B. (<i>Norwich Univ.</i>) 1934.	So. Weymouth
Ciani, Manfred Mario, s.B. (<i>Boston Univ.</i>) 1937.	Cambridge
Crowell, Edward Boyd (<i>Boston Univ.</i>).	Bedford, N.H.
DeConti, Clinton Reed (<i>Rhode Island State Coll.</i>).	Providence, R.I.
Desillier, Lawrence Albert (<i>Rhode Island State Coll.</i>).	Arlington
Dinnerman, Maurice, s.B. (<i>Univ. of New Hampshire</i>) 1933.	Portsmouth, N.H.
Drapeau, Walter Robert, A.B. (<i>Assumption Coll.</i>) 1936.	Lowell
Farrington, Emory Hawes (<i>Boston Univ.</i>).	Wollaston
Field, David Leonard, A.B. (<i>Brown Univ.</i>) 1936.	Providence, R.I.
Fraser, William Woodbury, PH.B. (<i>Coll. of the Holy Cross</i>) 1936.	Manchester, N.H.
Gilpatric, Paul Hussey (<i>Bowdoin Coll.</i>).	Medford
Gilpatric, William Henry, Jr. (<i>Harvard Univ.</i>).	Winchester
Gossel, John Dietrich, A.B. (<i>Columbia Univ.</i>) 1937.	New York, N.Y.
Hankins, Orville Lewis, A.B. (<i>Ohio Univ.</i>) 1937.	Northampton
Harriott, Richard Curtis (<i>Tufts Coll.</i>).	Malden
Hausman, Milton, A.B. 1936.	Dorchester
Henry, Edward James (<i>Colby Coll.</i>).	Worcester
Hurd, George Donald (<i>Tufts Coll.</i>).	Beverly
Johnson, Paul Rowe, A.B. (<i>Duke Univ.</i>) 1935.	Attleboro Falls
Joseph, Alfred Thomas (<i>Rensselaer Polytechnic Inst.</i>).	Adams
Kazer, Samuel Carveth, s.B. (<i>Tufts Coll.</i>) 1935.	Dorchester
Keller, Israel Harry, s.B. (<i>Bates Coll.</i>) 1936.	Dorchester
Kern, Abraham Kapell, A.B. (<i>Bowdoin Coll.</i>) 1936.	Bangor, Me.
Kierstead, William Fowlie, A.B. (<i>Bowdoin Coll.</i>) 1936.	Bucksport, Me.
Levine, Lawrence Mortimer, s.B. (<i>Lafayette Coll.</i>) 1931.	New Britain, Conn.
LoCastro, Anthony Thomas (<i>Saint Lawrence Univ.</i>).	Auburn, N.Y.
Mastroianni, Vincent Mario (<i>Rensselaer Polytechnic Inst.</i>).	Waterbury, Conn.
Millican, Robert Gamble (<i>Boston Univ.</i>).	Winchester
Morrow, Robert Eugenc (<i>Bowdoin Coll.</i>).	Lynn

Phillips, Robert Irving (<i>Boston Univ.</i>).	Wollaston
Roy, Albert Ernest, A.B. (<i>St. Hyacinthe's Coll.</i>) 1934.	Newton
Sarkisian, Sarkis Albert, S.B. 1936.	Bridgewater
Skaza, Mitchell Stanley, S.B. (<i>Tufts Coll.</i>) 1936.	Bondsville
Small, Clarence Arlowe (<i>Bowdoin Coll.</i>).	Machiasport, Me.
Sostek, Walter George (<i>Providence Coll.</i>).	Malden
Stroud, Richard Andrew (<i>Boston Univ.</i>).	Boston
Terry, Harold Knight, S.B. (<i>Duke Univ.</i>) 1936.	Bahama, N.C.
Vachon, Henry Joseph (<i>Tufts Coll.</i>).	Newton
Wanamaker, Emmett, A.B. (<i>Wesleyan Univ.</i>) 1936.	Greenwich, Conn.
Weiner, Leonard, A.B. (<i>Yale Univ.</i>) 1936.	Dorchester
Woods, Edward Carter (<i>Dartmouth Coll.</i>).	Rutland, Vt.

FIRST YEAR

Adamson, Robert Norman, A.B. (<i>Brown Univ.</i>) 1937.	Jackson Heights, N.Y.
Cadman, George Russell (<i>Bowdoin Coll.</i>).	Pleasantville, N.Y.
Campelia, Charles Marne (<i>Harvard Univ.</i>).	Somerville
Campelia, Vincent Everard, S.B. (<i>Tufts Coll.</i>) 1937.	Somerville
Clark, Winston Fuller (<i>Springfield Coll.</i>).	White Plains, N.Y.
Coggins, Calvin Richard, S.B. (<i>Rhode Island State Coll.</i>) 1937.	Kingston, R.I.
Dawson, Clarence Edmund (<i>Acadia Univ.</i>).	Methuen
Dembo, Joseph Charles, A.B. (<i>Brown Univ.</i>) 1937.	Norwich, Conn.
Duthie, John Alexander (<i>Univ. of Wyoming</i>).	Cheyenne, Wyo.
Ehleider, Thomas John, Jr., A.B. (<i>Wesleyan Univ.</i>) 1936.	Poughkeepsie, N.Y.
England, Lloyd Charles (<i>Rhode Island State Coll.</i>).	Lonsdale, R.I.
Gillis, John Mathias, A.B. (<i>Laval Univ.</i>) 1930.	Bayside, P.E.I., Canada
Gordon, Jacob, A.B. (<i>Clark Univ.</i>) 1937.	Milton
Guralnick, Walter Charles, S.B. (<i>Massachusetts State Coll.</i>) 1937.	Roxbury
Hannaway, Edward Lawrence, PH.B. (<i>Coll. of the Holy Cross</i>) 1937.	Manchester, N.H.
Hoffman, William Maurice, A.B. (<i>Harvard Univ.</i>) 1937.	Roxbury
Hunt, Clifford Gilbert (<i>Tufts Coll.</i>).	W. Somerville
Hyde, Robert James (<i>Bowdoin Coll.</i>).	Methuen
Hynes, Richard James, S.B. (<i>Tufts Coll.</i>) 1937.	Pittsfield
Kimball, Charles Edwin, Jr. (<i>Univ. of Maine</i>).	Dorset-Foxcroft, Me.
Klatzko, Morris, S.B. (<i>Long Island Univ.</i>) 1936.	Brooklyn, N.Y.
Lewis, Jason Russell, S.B. (<i>Bates Coll.</i>) 1937.	Lewiston, Me.
McGrath, Stephen Trombley (<i>Harvard Univ.</i>).	Lynbrook, N.Y.
McNally, John Edmund, S.B. (<i>Massachusetts State Coll.</i>) 1937.	Palmer

Moses, Adolphe Charles (<i>Colby Coll.</i>).	<i>Newport, Me.</i>
Olsen, Clinton Osterhus (<i>St. Olaf Coll.</i>).	<i>Brooklyn, N.Y.</i>
Pierce, Howard Wheeler (<i>Univ. of Vermont</i>).	<i>St. Johnsbury, Vt.</i>
Poulin, Frederick Kenneth, A.B. (<i>Colby Coll.</i>) 1937.	<i>Waterville, Me.</i>
Rando, John Joseph (<i>Colby Coll.</i>).	<i>Hingham</i>
Schmidt, John Kenneth, S.B. (<i>New York Univ.</i>) 1937.	<i>Ridgewood, N.Y.</i>
Schoman, Kenneth Edward (<i>St. John's Univ.</i>).	<i>Queens Village, L.I., N.Y.</i>
Sclar, Joseph Gilbert, A.B. (<i>Bowdoin Coll.</i>) 1937.	<i>Portland, Me.</i>
Sonis, Harold Howard, A.B. (<i>Harvard Univ.</i>) 1937.	<i>Dorchester</i>
Stenz, Charles Joseph, A.B. (<i>Stanford Univ.</i>) 1930, A.M. (<i>New York Univ.</i>) 1935.	<i>Paterson, N.J.</i>
Stoddard, Warren Joel (<i>Univ. of Alabama</i>).	<i>Marblehead</i>
Sullivan, Philip Joseph (<i>Harvard Univ.</i>).	<i>Arlington</i>
Virkler, Lyndon Mark, A.B. (<i>Cornell Univ.</i>) 1937.	<i>Castorland, N.Y.</i>
Wardner, Joseph Elton, Jr. (<i>St. Lawrence Univ.</i>).	<i>St. Regis Falls, N.Y.</i>
Wheeler, Morton (<i>Univ. of Vermont</i>).	<i>Plymouth, N.H.</i>
Young, Gordon Stanwood, A.B. (<i>Colby Coll.</i>) 1937.	<i>Hartford, Conn.</i>
Young, William Andrew, Jr. (<i>Bowdoin Coll.</i>).	<i>Concord, N.H.</i>

UNCLASSIFIED

Meyer, Hans Eduard (<i>Univ. of Zurich</i>) 1919.	<i>Olten, Switzerland</i>
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SUMMARY

Graduate Students	7
Fourth-Year Students	31
Third-Year Students	32
Second-Year Students	44
First-Year Students	41
Unclassified Student	1
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Total	156

LIST OF GRADUATES

1931

Anderson, Nils August Charles	Hartford, Conn.
Bissell, George DeForest	Melrose
Byrne, Francis Edward	Phillipsburg, N. J.
A.B. (<i>Villanova Coll.</i>) 1927	
Cenci, Vincenzo	Howard, R. I.
PH.B. (<i>Brown Univ.</i>) 1925	
Draye, Maurice Francis	Springfield Gardens, N. Y.
Egan, George Fairfield	New York, N. Y.
Frasca, Kenneth James	Elmsford, N. Y.
Gorsey, Robert Barnet	Cambridge
Hubbard, George Randolph	Boston
A.B. 1927	
Lewis, John Brayton	Upper Montclair, N. J.
Norcross, Winston Clark	East Walpole
Norfleet, William John, Jr.	Suffolk, Va.
Phillips, Joseph Henry	Flushing, L. I., N. Y.
Rappaport, Benjamin	Brooklyn, N. Y.
Ricciardi, John Michael	Waterbury, Conn.
A.B. (<i>Holy Cross Coll.</i>) 1926	
Waddan, Yaakub Azra	Bagdad, Iraq, Arabia
White, Philip Hay	Boston
A.B. (<i>Defiance Coll.</i>) 1928	
Wilkinson, Frost Birnie	New York, N. Y.
Worthen, Eugene Leon	Concord, N. H.

1932

Atwood, Theodore Winslow (<i>cum laude</i>)	Baltimore, Md.
A.B. (<i>Duke Univ.</i>) 1928	
*Canning, John Francis	Providence, R. I.
PH.B. (<i>Providence Coll.</i>) 1927	
Cohen, Maynard Edmond	Boston
Conway, Joseph Arthur	Boston
Eaton, Karl Bernard	Dotacamund, So. India
A.B. (<i>Acadia Coll.</i>) 1931	
Flynn, William Henry	New Haven, Conn.
PH.B. (<i>Providence Coll.</i>) 1928	
Goodfleish, Herbert Louis	New York, N. Y.
B.S. (<i>Coll. of the City of New York</i>) 1927	

* Deceased.

Harte, Leslie Patrick	London, England
L.D.S. (<i>Royal Coll. of Surgeons, England</i>) 1931	
Hickey, Maurice John	New York, N. Y.
Kirmayer, Thomas Dean	Cliffside Park, N. J.
B.S. 1927	
Lenoci, Ralph	Port Chester, N. Y.
Levinson, Tobias	Boston
McGirr, Francis William	Saratoga Springs, N. Y.
B.S. (<i>Hobart Coll.</i>) 1929	
Moder, Arthur Alfred	New York, N. Y.
B.S. (<i>Coll. of the City of New York</i>) 1928	
Morrissey, Leonard Gerard	Medford
B.S. (<i>Boston Coll.</i>) 1923	
Musche, Frank Wilbur	E. Dedham
Phipps, Wilbur Nelson (<i>cum laude</i>)	Quincy
Nelson, Carl Truman (<i>cum laude</i>)	Boston
Rafferty, Robert William	Willimantic, Conn.
A.B. (<i>Univ. of Maine</i>) 1925	
Ross, Alfred DeWitt	Fitchburg
Schmalz, Lester Otto	Cincinnati, O.
Seyfarth, Hermann Berthold Fritz (<i>cum laude</i>)	Boston
Spacagna, Charles Angelo	Providence, R. I.
A.B. (<i>Brown Univ.</i>) 1927	
Sturgis, Edwin Albert, Jr.	Marblehead

1933

Augustine, Anastas George	Catskill, N. Y.
A.B. (<i>Middlebury Coll.</i>) 1929	
Bachmann, Werner Emil	Fitchburg
Blake, Albert Cook	Providence, R. I.
PH.B. (<i>Brown Univ.</i>) 1929	
Bronson, Wingate Chaplin	Forest Hills, N. Y.
Chin, Harold Favenc Paul	Sydney, Australia
B.D.S. (<i>Univ. of Sydney</i>) 1930	
DeMartini, Walter	Brooklyn, N. Y.
Edwards, Norman Luther	Augusta, Maine
A.B. (<i>Bates Coll.</i>) 1929	
Etherington, James Winfred	Winthrop
Gengras, Alfred Joseph, Jr.	W. Hartford, Conn.
Hunn, David Edward	Troy, N. Y.
A.B. (<i>Hamilton Coll.</i>) 1929 (<i>cum laude</i>)	
Ilg, Viktor Karl	Karlsruhe, Germany
DR. MED. DENT. (<i>Freiburg Univ.</i>) 1932	

Kark, Cyril Vivian	London, England
L.D.S. (<i>Royal College of Surgeons, England</i>) 1931	
Laakso, William (<i>cum laude</i>)	Gardner
Lawrence, Richard Wason	Milford, N. H.
McDowell, Joseph Lincoln (<i>cum laude</i>)	Ossining, N. Y.
Marino, James Vincent	Jamaica, N. Y.
Mindel, Leo Elias	New Brunswick, N. J.
Morinville, William Arthur	Pawtucket, R. I.
Nakashian, Samuel James	New York, N. Y.
Parsons, John Yarwood	Huntington, W. Va.
A.B. (<i>Oberlin Coll.</i>) 1929.	
Starbird, Kenneth Irving	Belmont
Sullivan, George Arnold	Newburyport
A.B. (<i>Catholic Univ.</i>) 1929 (<i>cum laude</i>)	
Tell, Meyer Edward (<i>cum laude</i>)	Washington, D. C.
Wasgatt, Richard	Bar Harbor, Maine
Yaffee, Morris	Glens Falls, N. Y.

1934

Carbone, Frank Steven	Beverly
Carpenter, Russell Higson	Providence, R. I.
Finn, Sidney Bernard, A.B. (<i>Ohio State Univ.</i>) 1930	Rochester, N. Y.
Gallahue, Stephen Carrier, A.B. (<i>Coll. of the Holy Cross</i>) 1930	Quincy
Grant, Henry Hichborn	Portland, Maine
Herrling, Willard Samuel, Jr.	Auburn, N. Y.
Hill, Hans Bernhard	New York, N. Y.
Kroll, Louis (<i>cum laude</i>)	New York, N. Y.
Lalor, Daniel James	Uxbridge
Levitt, Nathan, A.B. (<i>Brown Univ.</i>) 1930 (<i>cum laude</i>)	Providence, R. I.
Mangi, Richard Constantine	New York, N. Y.
Manning, John Nowell	Waltham
Miner, John Walter, S.B. (<i>Colby Coll.</i>) 1929	Calais, Maine
Nemec, Frank Albert	Newark, N. Y.
Nowland, William Frederick	Milton, Del.
Pinel, Philip John	Boston
Richards, Horace William Sowles	Boston
Ross, Milton Randolph	Long Branch, N. J.

Stadt, Zachary Michlin, s.B. (<i>Univ. of Louisville</i>) 1930	Brooklyn, N. Y.
Sullivan, Timothy Carroll	Manchester, N. H.
Svenson, Sven Oscar	Worcester
Swallow, Donald Walcott	Rumford, Maine
Thompson, Claude Weston, Jr.	Dorchester Center
Van de Vyver, Leon Charles, s.B., M.D. (<i>Univ. of Louvain</i>) 1927	Louvain, Belgium
Virkler, Stanley Bent, A.B. (<i>St. Lawrence Univ.</i>) 1930	Wellesley

1935

Baker, Joseph Michael	Brattleboro, Vt.
Barton, Roger Daniel	Athol
Bastey, Warren Walker	Boston
Bishop, John Lloyd, A.B. (<i>Dartmouth Coll.</i>) 1930 (<i>cum laude</i>)	Newtown, Conn.
Boynton, John Wilson, Jr.	Boston
Broderick, James Howard	Albany, N. Y.
Carle, Clarke Albert, A.B. (<i>Coll. of the Holy Cross</i>) 1931	Cincinnati, Ohio
DiNoia, Ferdinand William	Port Richmond, S. I., N. Y.
Feleppa, Alfred Edward	New Rochelle, N. Y.
Finemore, Harold Harman Mantle, B.D.S. (<i>Univ. of Sydney</i>) 1932	Bundaberg, Queensland, Australia
Goldman, Henry Maurice	Boston
Hannon, James Richard, A.B. 1931	Brighton
Hansis, Edward Siebert	New York, N. Y.
Jarrett, Paul Francis, A.B. (<i>Univ. of Maine</i>) 1932	Boston
Kenney, William Harry	Boston
Leveton, Albert Aaron	Springfield
Lewis, Samuel	Brooklyn, N. Y.
Loftus, Edward Roland	Boston
Oskar, John, s.B. (<i>Tufts Coll.</i>) 1931	Lawrence
Parker, Theodore Rich	New York, N. Y.
Parr, James McClintock, s.B. (<i>New York Univ.</i>) 1931 (<i>cum laude</i>)	Newburgh, N. Y.
Powitz, Aaron Alexander	Newark, N. J.
Scott, Francis George, B.D.S. (<i>Univ. of Otago</i>) 1927	Epsom, Auckland, New Zealand

1936

Baker, Joseph Henry	Ainesbury
Bodnar, Albert Edward	Bridgeport, Conn.
Burke, Paul Frederiek	Arlington
Capobianco, Michael Thomas	Medford
Carniol, Hermann Walter	San Jose, C. R.
Clow, John Hildreth	Rochester, N. H.
Cutler, Maurice Karl, A.B. (<i>Brown Univ.</i>) 1932	Beverly
Danforth, George Howard (<i>cum laude</i>)	Lynn
Degnan, John Benedict	Concord, N. H.
Donahue, George Joseph, PH.B. (<i>Boston Coll.</i>) 1931	Peabody
Dwyer, Thomas Francis, A.B. (<i>Coll. of the Holy Cross</i>) 1931	Providence, R. I.
Ehleider, Charles Austin Jenness, A.B. (<i>Williams Coll.</i>) 1931	Poughkeepsie, N. Y.
Estersky, Joseph, A.B. (<i>Dartmouth Coll.</i>) 1931	Claremont, N. H.
Flanigan, Justin Edward, A.B. (<i>Univ. of New Hampshire</i>) 1930	Portsmouth, N. H.
Friedman, Louis	Newport, R. I.
Hornbaker, Robert Weeks	Cincinnati, Ohio
Hunter, Geoffrey Brocas, B.D.S. (<i>Univ. of London</i>) 1932	Scarborough, England
Jump, Ellis Burnett, A.B. (<i>Dartmouth Coll.</i>) 1932	Boston
Killilea, John Francis	Malden
Kraus, Frank Robert, S.B. (<i>Alfred Coll.</i>) 1932	Queens Village, L. I., N. Y.
Leander, Carl Thorsten, S.B. (<i>Massachusetts Inst. of Technology</i>) 1921 (<i>cum laude</i>)	Lexington
MacDonald, Dexter Reynolds, A.B. 1932	Greenfield
Michelson, George	Boston
Migliaccio, Nicolo Giuseppe, S.B. (<i>Rhode Island State Coll.</i>) 1932	Providence, R. I.
Nowald, Franklin, A.B. (<i>Emmanuel Missionary Coll.</i>) 1925	West New York, N. J.
Ostrowski, Edward John, S.B. (<i>Tufts Coll.</i>) 1932	Greenfield
Parker, Charles Cheney	Boston
Phillips, Lazarus Michael	Boston

Rapoport, Harold, A.B. 1931 (<i>cum laude</i>)	Hartford, Conn.
Sunderhaft, Paul Francis, 2d	Lowville, N. Y.
Sweetnam, George Holmes	Dedham
Swift, Thomas Henry	Mount Vernon, N. Y.
Szekely, Richard Arthur	Boston
Tarule, John Anthony (<i>cum laude</i>)	Boston
Tisdall, Oliver Frederic	Newport, R. I.
Underwood, Charles Milton	Brooklyn, N. Y.
Wilson, William Lincoln	Boston
Winkler, Louis Benedict, S.B. (<i>Univ. of New Hampshire</i>) 1924	Exeter, N. H.
Zazzaro, Michael John, S.B. (<i>Trinity Coll.</i>) 1932	Hartford, Conn.

1937

Borgstrom, Earl William Theodor, A.B. (<i>Upsala Coll.</i>) 1930	Stockholm, Sweden
DeClue, Bertrand Leslie	Hempstead, L. I., N. Y.
Downes, Arthur Bruce (<i>cum laude</i>)	Boston
Duxbury, Paul Pulver	Pine Plains, N. Y.
Fischel, Edwin, B.H. (<i>Liceo de Costa Rica</i>) 1933	San Jose, C. R.
Green, Leonard Bernard	Brookline
Handy, Nathaniel Alexander	Newport, R. I.
Holland, Daniel Joseph, Jr. (<i>cum laude</i>)	Boston
Jodoin, Jacques Amable, A.B. (<i>St. Hyacinthe's Coll.</i>) 1931	Fitchburg
Noss, George Maxwell, A.B. 1933 (<i>cum laude</i>)	Boston
Robarge, Morton Harvey (<i>cum laude</i>)	Newport, R. I.
Rosenson, Herbert James	Lynn
Sack, Mitchel	Pawtucket, R. I.
Sannella, Francis Mize, S.B. (<i>Rhode Island State Coll.</i>) 1933	Providence, R. I.
Scribner, Charles Egbert	Boston
Solomon, Barnett	Malden
Strock, Alvin Edward, A.B. (<i>Dartmouth Coll.</i>) 1933	Boston
Sullivan, Allyn Frederick, A.B. (<i>Provi- dence Coll.</i>) 1932	Providence, R. I.
Sullivan, George Augustine, Jr., A.B. (<i>Coll. of the Holy Cross</i>) 1933	Dorchester

Thayer, Paul Leo, PH.B. (<i>Brown Univ.</i>)	
1931	Providence, R. I.
Tierney, Oswald Edward, S.B. (<i>Providence Coll.</i>) 1933	Providence, R. I.
Vroom, Ross, Jr.	Boston
Weinberger, Benjamin	Boston
Zelermeyer, Max, A.B. 1933	Watertown

ANNOUNCEMENT FOR 1938-39

Registration of students for the academic year 1938-39 begins in the Dental School, 188 Longwood Avenue, on Friday, September 23, and all third- and fourth-year students are required to register on that day. First- and second-year students are expected to register on or before Monday, September 26.

CALENDAR

1938.

- Sept. 23, Friday.* Registration of third and fourth-year students.
Sept. 26, Monday. **Academic Year begins.** Registration of first and second-year Students. Payment of the first instalment of the tuition-fee is required on this date.
Oct. 12, Wednesday. Columbus Day : a holiday.
Nov. 11, Friday. Armistice Day : a holiday.
Nov. 24, Thursday. Thanksgiving Day : a holiday.
Nov. 30, Wednesday. Payment of the second instalment of the tuition-fee is required on or before this date.

RECESS FROM DEC. 23, 1938, TO JAN. 2, 1939, INCLUSIVE.

1939.

- Jan. 28, Saturday.* Payment of the third instalment of the tuition-fee is required on or before this date.
Jan. 30, Monday. **Second Half-year begins.**
Feb. 22, Wednesday. Washington's Birthday : a holiday.

RECESS FROM APRIL 2 TO APRIL 9, INCLUSIVE.

- Apr. 19, Wednesday.* Patriots' Day : a holiday.
May 1, Monday. Last day for receiving applications of candidates for the degree of D.M.D. in June, 1939.
May 30, Tuesday. Memorial Day : a holiday.
June 21, Wednesday. Alumni Day.
June 22, Thursday. **Commencement.**

SUMMER VACATION, FROM COMMENCEMENT TO SEPT. 24, INCLUSIVE.

